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AIRLINE DELAY TRENDS, 1974-1975. A STUDY OF BLOCK TIME DELAYS, --ETC(U)

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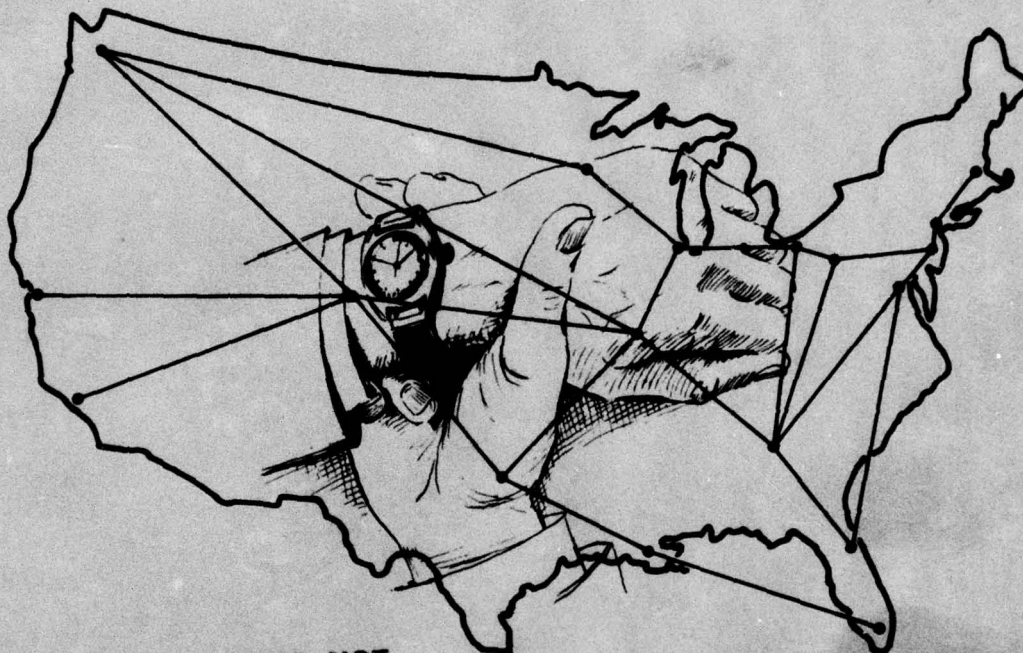
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A Study of Block Time Delays
Ground and Airborne for Scheduled Air Carriers

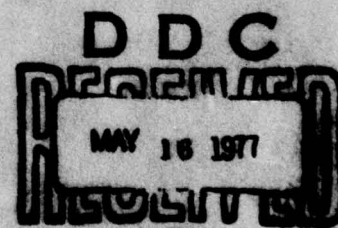


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MARCH 1977 ANNUAL REPORT

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WASHINGTON D C 20591

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16. Abstract Estimates of block, airborne and ground delays for route segments flown by United States domestic scheduled airlines operating out of twenty large airports are presented in this document. The data were determined from the CAB ER-586 Service Segment data base, which provides monthly operational times, both ground and airborne, for all route segments receiving scheduled air carrier service. The data in this report are limited to the three-hundred and thirty route segments connecting the twenty airports included in the study. Average monthly estimates of the ground and airborne components of block delays, defined as delays encountered from "ramp to ramp" on a route segment, are presented for the two-year period from 1974-1975. Average monthly estimates of delays for the airborne portion of the segment ("wheel off" to "wheels on") are categorized according to (1) route segment, (2) airline, (3) aircraft type and (4) local scheduled arrival or departure time. Average monthly estimates of delays for the ground portion of the route segments are categorized according to departure and arrival ground times at the twenty airport locations included in the study. These estimates of ground delays are further categorized into "busy" time intervals (07:00 - 22:59) and "dull" time intervals (23:00 - 06:59).			
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PREFACE

The 1976 edition of Airline Delay Trends is the third in a series of annual reports sponsored by the Federal Aviation Administration, Office of Systems Engineering and Management. All statistical models and programs developed by the initial study effort in 1974 are accessed through the computer facilities of the Department of Transportation, Transportation Systems Center, Cambridge, Massachusetts. It is here that the 1975 and 1976 reports were produced.

The report provides estimates of block, airborne, and ground delays for route segments flown by major domestic scheduled airlines operating out of 20 of the most active U.S. airports. The data presented within were derived by using a comprehensive airline data base collected by the Civil Aeronautics Board, under Economic Regulation - 586, known as the CAB Service Segment Data.

These data provide continuous and consistent monthly totals of operational block times, for both the airborne and ground components of all routes flown in scheduled service. The trends in airline delays were determined from the CAB data files by combining the files with data available from two other sources - the Official Airline Guide data (OAG) and the New York/New Jersey Port Authority ground time estimates.

The monthly estimates of delays provided in this report cover the two year period, 1974 and 1975. The level of detail in delay times produced from merging the CAB, OAG, and Port Authority data is categorized according to:

- (1) Route segment
- (2) Directional departure and arrival airborne and ground time.
- (3) Airline
- (4) Aircraft type
- (5) Scheduled departure and arrival time - airborne and ground component

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- (6) Scheduled departure and arrival "busy" and "dull" time interval - airborne and ground components.

The two earlier delay reports for 1972-1973, and 1973-1974 present data for the 50 most active routes connecting 20 airports. The 1974-1975 report shows the same types of graphical displays and tabular presentations of summary data, but a representative sample of only 10 of the top 50 routes are included in the report. However, the Transportation Systems Center maintains the delay data for all routes actually flown in scheduled service during the 1974-1975 period, as well as for the earlier years. There data are accessible for display and for analyses through an on-line time-sharing environment. Other modifications have been made in the new version of the delay document. A listing of the nominal airborne times by departure airport for all routes segments has been included in Chapter I, Table 1. Chapter III of the report published in 1976, showing route segment delays by aircraft type, has been eliminated, as well as Tables IV-2-1 through IV-2-20 listing the average yearly air, block and ground times by departure airport.

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METRIC CONVERSION FACTORS

Approximate Conversions from Metric Measures			
Symbol	When You Know	Multiply by	To Find
LENGTH			
m	millimeters	0.04	inches
cm	centimeters	0.4	inches
dm	decimeters	3.3	feet
m	meters	1.1	yards
km	kilometers	0.6	miles
AREA			
m ²	square centimeters	0.16	square inches
dm ²	square decimeters	1.2	square feet
m ²	square meters	0.4	square yards
ha	hectares (10,000 m ²)	2.5	acres
MASS (weight)			
g	grams	0.035	ounces
kg	kilograms	2.2	pounds
t	tonnes (1000 kg)	1.1	short tons
VOLUME			
ml	milliliters	0.03	fluid ounces
l	liters	1.06	quarts
m ³	cubic meters	35	cubic feet
km ³	cubic kilometers	1.3	cubic miles
TEMPERATURE (exact)			
°C	Celsius temperature	5/9 (then add 32)	Fahrenheit temperature

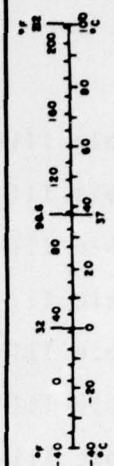
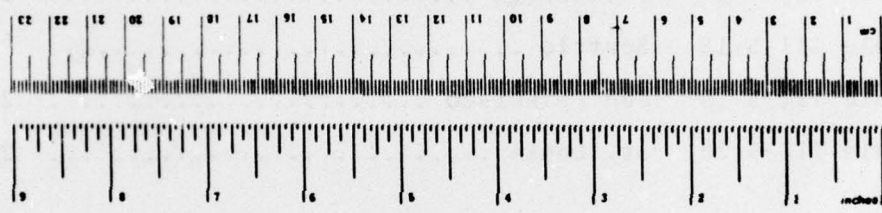


TABLE A MAJOR AIRPORTS AND AIR CARRIERS INCLUDED IN STUDY

<u>AIRPORT CODE</u>	<u>AIRPORT NAME</u>
1. ATL	William B. Hartsfield Atlanta International
2. BOS	Boston - Logan
3. CLE	Cleveland - Hopkins International
4. DFW	Dallas/Fort Worth
5. DCA	Washington National
6. DEN	Denver - Stapleton International
7. DTW	Detroit Metro
8. EWR	Newark (New Jersey)
9. JFK	John F. Kennedy International (New York City)
10. LAX	Los Angeles International
11. LGA	La Guardia (New York City)
12. MIA	Miami International
13. MSP	Minneapolis/St. Paul International
14. MSY	New Orleans International (Moisant)
15. ORD	O'Hare (Chicago)
16. PHL	Philadelphia International
17. PIT	Greater Pittsburgh
18. SEA	Seattle/Tacoma International
19. SFO	San Francisco International
20. STL	Lambert - St. Louis International

<u>AIRLINE CODE</u>	<u>AIRLINE NAME</u>
1. AL	Allegheny Airlines, Inc.
2. AA	American Airlines, Inc.
3. BN	Braniff Airways, Inc.
4. CO	Continental Air Lines, Inc.
5. DL	Delta Air Lines, Inc.
6. EA	Eastern Air Lines, Inc.
7. FL	Frontier Airlines, Inc.
8. RW	Air West, Inc. - (Hughes)
9. MO	Mohawk Airlines, Inc.*
10. NA	National Airlines, Inc.
11. NC	North Central Airlines, Inc.
12. NE	Northeast Airlines, Inc.*
13. NW	Northwest Airlines, Inc.
14. OZ	Ozark Air Lines, Inc.
15. PA	Pan American World Airways, Inc.
16. PI	Piedmont Aviation, Inc.
17. SO	Southern Airways, Inc.
18. TT	Texas International Airways, Inc.
19. TW	Trans World Airlines, Inc.
20. UA	United Air Lines, Inc.
21. WA	Western Air Lines, Inc.

*Mohawk and Northeast Airlines were included in the 1972-1973 study. In 1972, however, Mohawk merged with Allegheny and Northeast merged with Delta. They do not appear within as reporting air carriers, although their route structures were maintained.

TABLE B-50 MOST ACTIVE ROUTE SEGMENTS INCLUDED IN STUDY
(Ranked in Alphabetical Order)

	FROM		TO		FROM		TO
1.	ATL	-	DAL	26.	LGA	-	ORD
2.	ATL	-	MIA	27.	MIA	-	ATL
3.	ATL	-	ORD	28.	MIA	-	JFK
4.	BOS	-	DCA	29.	MSP	-	ORD
5.	BOS	-	EWR	30.	ORD	-	ATL
6.	BOS	-	JFK	31.	ORD	-	BOS
7.	BOS	-	LGA	32.	ORD	-	DCA
8.	BOS	-	PHL	33.	ORD	-	DEN
9.	CLE	-	DTW	34.	ORD	-	DTW
10.	DAL	-	ATL	35.	ORD	-	EWR
11.	DCA	-	BOS	36.	ORD	-	LAX
12.	DCA	-	LGA	37.	ORD	-	LGA
13.	DCA	-	ORD	38.	ORD	-	MSP
14.	DEN	-	ORD	39.	ORD	-	PIT
15.	DTW	-	LGA	40.	ORD	-	SFO
16.	DTW	-	ORD	41.	ORD	-	STL
17.	EWR	-	BOS	42.	PHL	-	BOS
18.	EWR	-	ORD	43.	PHL	-	PIT
19.	JFK	-	BOS	44.	PIT	-	ORD
20.	JFK	-	MIA	45.	PIT	-	PHL
21.	LAX	-	ORD	46.	SEA	-	SFO
22.	LAX	-	SFO	47.	SFO	-	LAX
23.	LGA	-	BOS	48.	SFO	-	ORD
24.	LGA	-	DCA	49.	SFO	-	SEA
25.	LGA	-	DTW	50.	STL	-	ORD

CHAPTER I. AIRBORNE DELAYS

Chapter I data are divided into five sections:

- Table I-1 displays the nominal airborne times for both jet and propeller aircraft for all route segments flown between the 20 airports included in the study, listed by departure airport. The inter-airport distance is also given for the routes.

- Section I-2 presents tables and figures illustrating airborne delays by month for 1974 and 1975 for the 10 of the top 50 most active route segments. These delays are shown as averages for "busy" (07:00 through 22:59) and "dull" (23:00 through 06:59) intervals.

- Section I-3 is composed of tables showing the 1974 annual averages of airborne times, delays, and flight activity for the same 10 route segments as shown in Section I-2. These data are categorized by route segment, airline, equipment type, and time interval (busy or dull).

- Section I-4 shows for the year 1975 the same kind of information that Section I-3 shows for 1974. Ten route segments are included.

- Section I-5 compares the annual averages of the airborne delays during 1974 and 1975 for the 10 route segments. These data are also categorized by route segment, airline, and equipment type.

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TABLE I-1

NOMINAL AIRBORNE TIMES DEPARTING ATL			NOMINAL AIRBORNE TIMES DEPARTING RUS		
ROUTE SEGMENT	DISTANCE	NOMINAL JET TIME	ROUTE SEGMENT	DISTANCE	NOMINAL JET TIME
ATL RUS	946	1:50	RUS ATL	946	2:06
ATL CLF	554	1:15	RUS CLF	563	1:19
ATI DCA	547	1:07	RUS DCA	599	0:59
ATL DFW	731	1:35	RUS DFW	1766	3:56
ATI DTW	595	1:14	RUS DFW	1561	3:35
ATI EWR	745	1:27	RUS LIT	632	1:29
ATL JFK	760	1:26	RUS LAX	201	0:40
ATL LAX	1946	3:36	RUS JFW	187	0:29
ATI LGA	761	1:31	RUS LAX	2611	5:36
ATL MIA	595	1:15	RUS LGA	185	0:30
ATL MSP	906	1:59	RUS MIA	1258	2:32
ATL MSY	425	0:57	RUS MSP	1124	2:40
ATI ORD	606	1:15	RUS MSY	1367	2:59
ATL PHL	645	1:17	RUS ORD	967	1:44
ATL PIT	526	1:10	RUS PHL	280	0:42
ATI SFO	2139	4:26	RUS PIT	496	1:15
ATL STI	484	1:06	RUS SFA	2496	5:46
			RUS SFO	2704	5:44
			RUS STI	1046	2:24
					1:30
					0:40
					0:34
					1:24
					2:02

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TABLE I-1 (CONTINUED)

NOMINAL AIRBORNE TIMES DEPARTING CLF				NOMINAL AIRBORNE TIMES DEPARTING DCA			
ROUTE SEGMENT	DISTANCE	NOMINAL JET TIME	NOMINAL PROP TIME	ROUTE SEGMENT	DISTANCE	NOMINAL JET TIME	NOMINAL PROP TIME
CLF ATL	554	1:19		NCA ATL	547	1:19	2:06
CLF MDS	563	1:04		NCA MDS	399	0:53	1:10
CLF DCA	310	0:47		NCA CLF	310	0:49	
CLF DEN	1213	2:42		NCA DTW	405	1:05	
CLF MEM	1021	2:15		NCA FRR	199	0:31	0:36
CLF DTW	95	0:14	0:24	NCA JFK	213	0:37	
CLF FRR	404	0:57		NCA LGA	214	0:29	0:38
CLF JFK	425	1:00		NCA MIA	920	1:59	
CLF LAX	2053	4:27		NCA MSP	931	2:05	
CLF LGA	414	0:49		NCA ORD	612	1:22	0:27
CLF MIA	1080	2:20		NCA PHL	120	0:24	
CLF MSP	622	1:30		NCA PIT	205	0:35	
CLF MSY	917	2:17		NCA STL	719	1:39	2:41
CLF ORD	316	0:50					
CLF PHL	363	0:49	0:26				
CLF PIT	105	0:15					
CLF SFO	2161	4:45					
CLF STL	487	1:06					

TABLE I-1 (CONTINUED)

ROUTE SEGMENT	NOMINAL AIRBORNE TIMES DEPARTING DEN		ROUTE SEGMENT	NOMINAL AIRBORNE TIMES DEPARTING DEN	
	DISTANCE	NOMINAL JET TIME		DISTANCE	NOMINAL JET TIME
DFW ATL	731	1:27	DFW RUS	1766	3:19
DFW RUS	1561	3:05	DFW CLE	1213	2:15
DFW CLE	1021	2:03	DFW DFW	805	1:23
DFW DFW	605	1:31	DFW DTW	1135	2:05
DFW DTW	987	1:57	DFW FWA	1617	2:58
DFW FWA	1372	2:37	DFW JFK	1638	3:07
DFW JFK	1391	2:36	DFW LAX	849	1:50
DFW LAX	1235	2:27	DFW MSP	693	1:21
DFW LGA	1388	2:41	DFW MSY	1067	2:15
DFW MIA	1121	2:11	DFW ORD	901	1:41
DFW MSP	852	1:53	DFW PHL	1569	2:57
DFW MSY	447	0:51	DFW PIT	1302	2:41
DFW ORD	802	1:33	DFW SFA	1019	2:17
DFW PHL	1302	2:30	DFW SFO	956	2:04
DFW PIT	1067	2:04	DFW STL	741	1:33
DFW SEA	1660	3:07			
DFW SFO	1065	3:09			
DFW STL	550	1:11			

TABLE I-1 (CONTINUED)

NOMINAL AIRBORNE TIMES DEPARTING DTW				NOMINAL AIRBORNE TIMES DEPARTING FAN			
ROUTE SEGMENT	DISTANCE	NOMINAL JET TIME	NOMINAL PROP TIME	ROUTE SEGMENT	DISTANCE	NOMINAL JET TIME	NOMINAL PROP TIME
DTW ATL	595	1:19		FAN ATL	745	1:33	
DTW RUS	632	1:17		FAN RUS	201	0:24	0:30
DTW CLF	95	0:23	0:23	FAN CLF	404	1:06	
DTW DCA	405	0:59		FAN DCA	199	0:34	0:45
DTW DFB	1:35	2:32		FAN DFB	1:17	3:30	
DTW DFW	987	1:57		FAN DFW	1:72	3:07	
DTW FAN	488	1:03		FAN DTW	488	1:15	
DTW JFK	509	1:03		FAN JFK	21	0:08	
DTW LAX	1979	4:09		FAN LAX	2454	5:06	
DTW LGA	501	1:04		FAN MIA	1084	2:16	
DTW MIA	1:45	2:17		FAN MSY	1:67	2:34	
DTW MSP	526	1:14		FAN ORD	719	1:32	
DTW MSY	926	1:55		FAN PHL	40	0:21	0:27
DTW ORD	235	0:34		FAN PIT	319	0:49	1:19
DTW PHL	453	1:01		FAN SFO	2565	5:40	
DTW PIT	201	0:33		FAN STL	472	1:55	
DTW SFO	2079	4:28					
DTW STL	440	1:09					

TABLE I-1 (CONTINUED)

NOMINAL AIRBORNE TIMES DEPARTING JFK			NOMINAL AIRBORNE TIMES DEPARTING LAX		
ROUTE SEGMENT	DISTANCE	NOMINAL JET TIME	ROUTE SEGMENT	DISTANCE	NOMINAL JET TIME
JFK ATL	760	1:32	LAX ATL	1946	3:37
JFK RUS	147	0:21	LAX RUS	2611	4:35
JFK CLF	425	1:07	LAX CLF	2055	3:54
JFK DCA	215	0:40	LAX DEN	849	1:40
JFK DEN	1634	3:37	LAX DFW	1235	2:25
JFK DFW	1391	2:54	LAX DTW	1970	3:42
JFK DTW	509	1:10	LAX EWR	2454	4:10
JFK FAD	21	0:11	LAX JFK	2475	4:35
JFK LAX	2475	5:05	LAX MIA	2342	4:18
JFK MIA	1090	2:14	LAX MSP	1536	3:01
JFK MSP	1024	2:20	LAX MSY	1670	3:06
JFK MSY	1142	2:24	LAX ORD	1744	3:14
JFK ORD	740	1:44	LAX PHL	2402	4:27
JFK PHL	94	0:16	LAX PIT	2136	4:03
JFK PIT	540	0:42	LAX SEA	454	1:54
JFK SEA	2421	5:23	LAX SFO	337	0:46
JFK SFO	2546	4:49	LAX STL	1592	2:59
JFK STL	492	2:05			

TABLE I-1 (CONTINUED)

NOMINAL AIRBORNE TIMES DEPARTING LGA			NOMINAL AIRBORNE TIMES DEPARTING MIA		
ROUTE SEGMENT	DISTANCE	NOMINAL JET TIME	ROUTE SEGMENT	DISTANCE	NOMINAL JET TIME
LGA ATL	761	1:36	MTA ATL	595	1:14
LGA MIA	185	0:26	MTA MIA	1254	2:28
LGA CLF	418	1:05	MTA CLF	1080	2:20
LGA DCA	214	0:29	MTA DCA	920	1:53
LGA DEN	1344	3:01	MTA DEN	1121	2:34
LGA DTH	501	1:14	MTA DTH	1145	2:27
LGA MIA	1096	2:20	MTA FWA	1086	2:15
LGA MSP	1020	2:14	MTA JER	1090	2:08
LGA MSY	1143	2:41	MTA LAX	2342	4:35
LGA ORD	734	1:31	MTA LGA	1097	2:14
LGA PHJ	95	0:20	MTA MSP	1501	3:20
LGA PIT	335	0:52	MTA SY	874	1:24
LGA STL	444	2:01	MTA ORD	1108	2:14
			MTA PHJ	1014	2:05
			MTA PIT	1015	2:06
			MTA SFO	2545	5:19
			MTA STL	1064	2:23

TABLE I-1 (CONTINUED)

NOMINAL AIRBORNE TIMES DEPARTING MSP			NOMINAL AIRBORNE TIMES DEPARTING MSY		
ROUTE SEGMENT	DISTANCE	NOMINAL JLT TIME	ROUTE SEGMENT	DISTANCE	NOMINAL JLT TIME
MSP ATL	906	1:58	MSY ATL	425	0:54
MSP RNS	1124	2:14	MSY RNS	1467	2:59
MSP CLE	622	1:18	MSY CLF	917	2:03
MSP DCA	931	1:52	MSY DEN	1067	2:22
MSP DEN	693	1:32	MSY DFL	487	1:00
MSP DFW	852	1:50	MSY DTA	926	2:00
MSP DTW	528	1:13	MSY FDR	1167	2:09
MSP JFK	1028	2:02	MSY JFA	1182	2:15
MSP LAX	1536	3:18	MSY LAX	1670	3:31
MSP LGA	1020	2:01	MSY LGA	1183	2:13
MSP MIA	1501	3:15	MSY MIA	674	1:23
MSP ORD	334	0:43	MSY ORD	837	1:46
MSP PHL	981	2:00	MSY PHL	1088	2:19
MSP SFA	1399	3:04	MSY PIT	918	1:50
MSP SFO	1584	3:27	MSY SFO	1911	3:56
MSP STL	448	1:03	MSY STL	604	1:21

TABLE I-1 (CONTINUED)

NOMINAL AIRBORNE TIMES DEPARTING ORD				NOMINAL AIRBORNE TIMES DEPARTING PHL			
ROUTE SEGMENT	DISTANCE	NOMINAL DET TIME	NOMINAL PROP TIME	ROUTE SEGMENT	DISTANCE	NOMINAL DET TIME	NOMINAL PROP TIME
ORD ATL	606	1:08		PHL ATL	665	1:14	
ORD PHS	867	1:36		PHL PHS	240	0:36	1:38
ORD CLE	316	0:38		PHL CLE	365	0:57	
ORD DCA	612	1:13		PHL DCA	120	0:25	0:37
ORD DEN	901	1:57		PHL DEN	1569	3:13	
ORD DFW	802	1:38		PHL DFW	1302	2:43	
ORD DTW	235	0:33		PHL DTW	453	1:10	
ORD FAP	719	1:24		PHL FAP	80	0:14	0:25
ORD JFK	740	1:27		PHL JFK	93	0:21	
ORD LAX	1766	3:34		PHL LAX	2402	5:06	
ORD LGA	733	1:26		PHL LGA	95	0:25	
ORD MIA	1197	2:23		PHL MIA	1014	2:05	
ORD MSP	334	0:51		PHL MSP	980	2:17	
ORD MSY	837	1:47	1:11	PHL MSY	1088	2:25	
ORD PHL	678	1:21		PHL ORD	678	1:36	
ORD PIT	412	0:54	1:31	PHL PIT	268	0:43	1:05
ORD SEA	1720	3:43		PHL SEA	2521	5:31	
ORD SFO	1846	3:53		PHL SFO	814	1:55	
ORD STL	258	0:38	1:05	PHL STL			

TABLE I-1 (CONTINUED)

NOMINAL ARRIVAL TIMES			NOMINAL DEPARTURE TIMES		
ROUTE	DEPARTING	ARRIVING	ROUTE	DEPARTING	ARRIVING
PIT ATL	1100	526	SFA HUS	2006	4:57
PIT AUS	1200	496	SFA DEN	1019	2:02
PIT CLF	0:15	105	SFA DEN	1600	3:18
PIT OCA	0:35	205	SFA JFW	2421	4:31
PIT DEN	2:54	1302	SFA LAX	054	1:54
PIT DEN	2:18	1067	SFA MCO	1309	2:02
PIT OTH	0:35	201	SFA ORD	1720	3:14
PIT FAP	0:09	319	SFA SFO	678	1:23
PIT IFW	0:06	300	SFA STL	1709	3:11
PIT LAX	4:36	2136			
PIT LGA	0:06	335			
PIT MIA	2:00	1013			
PIT MSY	1:59	918			
PIT ORD	1:04	412			
PIT PHX	0:33	268			
PIT SFO	4:53	2253			
PIT STL	1:22	553			

TABLE I-1 (CONTINUED)

NOMINAL AIRPORT TIMES DEPARTING SFO			NOMINAL AIRPORT TIMES DEPARTING STL		
ROUTE SEGMENT	DISTANCE	NOMINAL JET TIME	ROUTE SEGMENT	DISTANCE	NOMINAL JET TIME
SFO ATL	2139	4:00	STL ATL	484	1:04
SFO BOS	2704	4:58	STL BOS	1045	1:58
SFO CLF	2161	4:11	STL CLF	487	0:56
SFO DEN	956	1:49	STL DCA	719	1:28
SFO DFW	1465	2:43	STL DEN	781	1:48
SFO DTW	2079	3:51	STL DFW	550	1:15
SFO FAR	2565	4:45	STL DTW	440	0:55
SFO JFK	2586	4:50	STL FAP	872	1:44
SFO LAX	337	0:46	STL JFK	892	1:49
SFO MIA	2585	4:56	STL LAX	1592	3:20
SFO MSP	1589	2:56	STL LGA	888	1:50
SFO MSY	1911	3:19	STL MIA	1068	2:13
SFO ORD	1846	3:25	STL MSP	408	1:05
SFO PHL	2521	4:42	STL MSY	604	1:24
SFO PIT	2253	4:22	STL ORD	258	0:38
SFO SEA	678	1:24	STL PHL	813	1:37
SFO STI	1736	3:15	STL PIT	553	1:08
			STL SEA	1709	3:40
			STL SFO	1736	3:45

TABLE I-2-1

AIRBORNE DELAYS BY MONTH
AVERAGES FOR BUSY VS. DULL INTERVALS
FOR ROUTE SEGMENT ATL ↔ DEN

	1974				1975				1976			
	FLIGHTS	DELAY	FLIGHTS	DELAY	FLIGHTS	DELAY	FLIGHTS	DELAY	FLIGHTS	DELAY	FLIGHTS	DELAY
JAN	223	0:11	54	0:11	214	0:11	26	0:03	214	0:11	26	0:03
FEB	216	0:12	61	0:10	319	0:11	31	0:09	319	0:11	31	0:09
MAR	208	0:13	60	0:10	302	0:11	30	0:08	302	0:11	30	0:08
APR	335	0:10	31	-0:03	299	0:11	30	0:08	299	0:11	30	0:08
MAY	299	0:10	29	-0:04	360	0:10	30	0:08	360	0:10	30	0:08
JUN	302	-0:10	31	-0:04	329	0:05	30	0:02	329	0:05	30	0:02
JUL	338	0:10	31	-0:02	336	0:03	31	-0:02	336	0:03	31	-0:02
AUG	194	0:10	30	0:01	367	0:02	30	-0:08	367	0:02	30	-0:08
SEP	130	0:10	26	-0:02	243	0:04	14	-0:04	243	0:04	14	-0:04
OCT	147	0:11	29	0:03	217	0:05	30	0:05	217	0:05	30	0:05
NOV	219	0:13	14	0:07	350	0:11	31	0:05	350	0:11	31	0:05
DEC	281	0:10	39	0:03	223	0:10	31	0:05	223	0:10	31	0:05
TOTAL	2811	0:10	396	0:03	3559	0:09	283	0:03	3559	0:09	283	0:03
NOMINAL AIRBORNE TIME	1:15											

---ALL TIMES ARE IN HOURS AND MINUTES---

FIGURE I-2-1
 AIRBORNE DELAYS BY MAJOR ROUTE SEGMENT
 MONTHLY AVERAGES FOR BUSY VS. DULL INTERVALS
 ROUTE SEGMENT ATL TO DFW

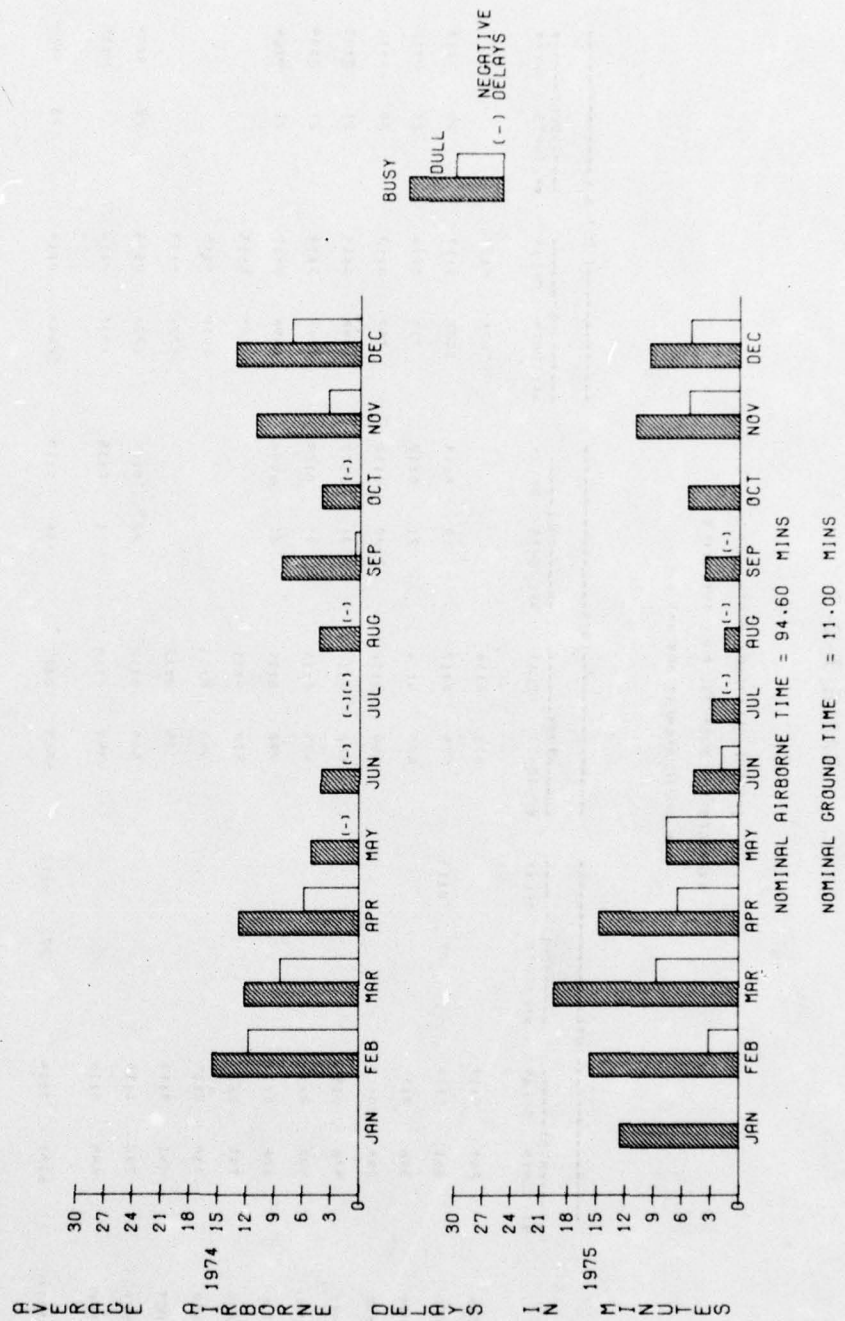


TABLE I-2-2

AIRBORNE DELAYS BY MONTH
 AVERAGES FOR BUSY VS. DULL INTERVALS
 FOR ROUTE SECTORS BOS 222 PHJ

	1974				1975				TOTAL			
	BUSY #FLIGHTS	DELAY	DULL #FLIGHTS	DELAY	BUSY #FLIGHTS	DELAY	DULL #FLIGHTS	DELAY	BUSY #FLIGHTS	DELAY	DULL #FLIGHTS	DELAY
JAN	260	0:17			611	0:16			871	0:17		
FEB	451	0:18	27	0:13	575	0:17	19	0:13	1026	0:17	46	0:13
MAR	306	0:15			408	0:14	21	0:12	710	0:14	21	0:12
APR	298	0:13			408	0:12	20	0:10	702	0:12	20	0:10
MAY	586	0:15			582	0:11	21	0:07	1168	0:13	21	0:07
JUN	590	0:14			475	0:11	21	0:09	1065	0:13	21	0:09
JUL	606	0:13			492	0:11	21	0:06	1098	0:12	21	0:06
AUG	703	0:15			514	0:11			1307	0:13		
SEP	730	0:15			480	0:13			1210	0:15		
OCT	751	0:13			475	0:12			1226	0:13		
NOV	724	0:14			500	0:12	22	0:09	1224	0:13	22	0:09
DEC	686	0:14			351	0:14	1	0:15	1037	0:14	1	0:15
TOTAL	6781	0:15	27	0:13	5863	0:13	146	0:10	12644	0:14	173	0:10
NORMAL AIRBORNE TIME = 0:42												

---ALL TIMES ARE IN HOURS AND MINUTES---

FIGURE I-2-2
 AIRBORNE DELAYS BY MAJOR ROUTE SEGMENT
 MONTHLY AVERAGES FOR BUSY VS. DULL INTERVALS
 ROUTE SEGMENT BOS TO PHL

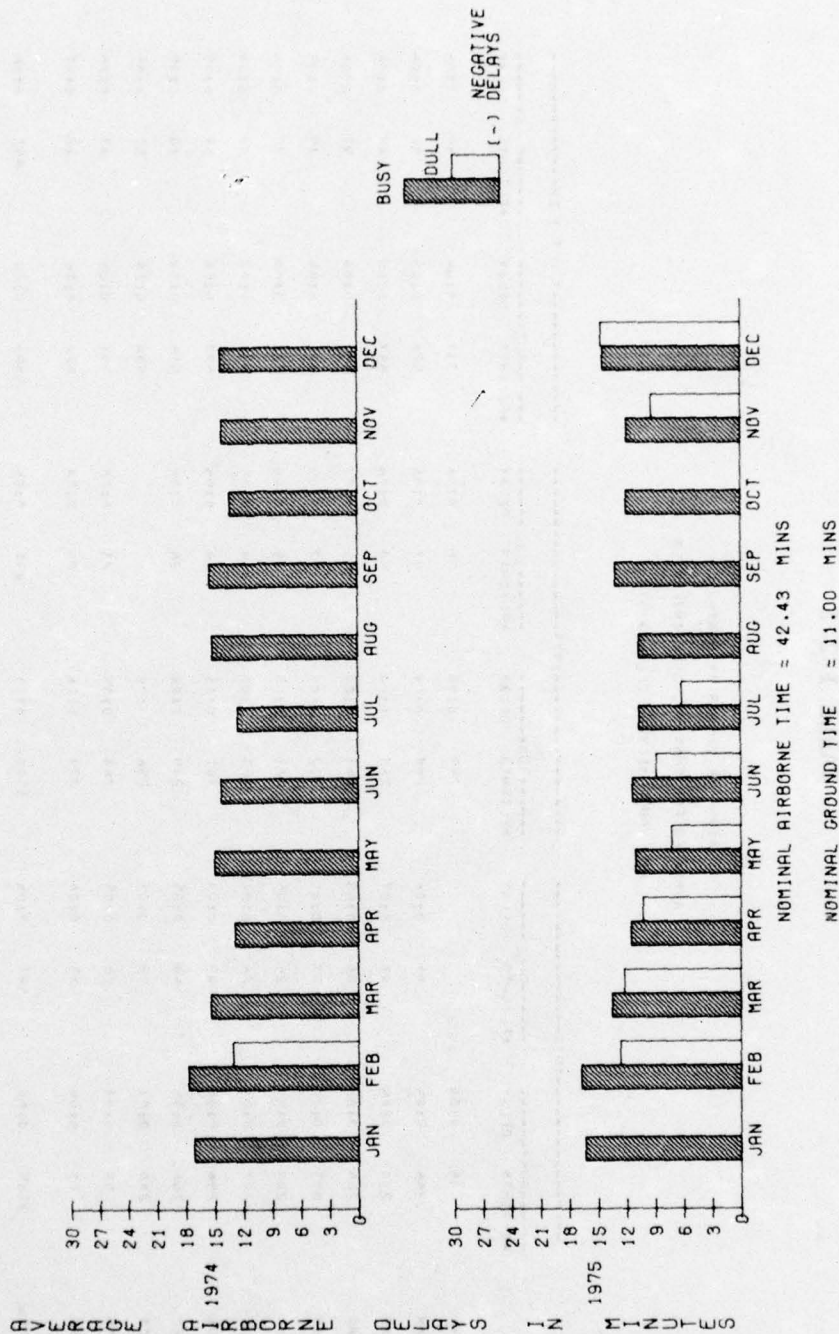


TABLE I-2-3

ALPHABETIC DELAYS BY MONTH
AVERAGES FOR BUSY VS. DULL INTERVALS
FOR ROUTE SEGMENT CLE => OYA

	1974		1975		TOTAL	
	BUSY FLIGHTS	DELAY	BUSY FLIGHTS	DELAY	BUSY FLIGHTS	DELAY
JAN	34	0104	299	0104	337	0104
FEB	266	0105	260	0104	526	0105
MAR	270	0105	263	0104	533	0104
APR	268	0104	263	0104	531	0104
MAY	273	0104	332	0104	605	0104
JUN	240	0104	241	0105	481	0104
JUL	247	0103	243	0104	490	0104
AUG	296	0104	301	0105	597	0104
SEP	266	0105	249	0104	515	0105
OCT	240	0104	256	0104	496	0104
NOV	54	0103	243	0105	297	0104
DEC	43	0104	279	0104	322	0104
TOTAL	2545	0104	3309	0104	5854	0104
MINIMAL ALPHABETIC TIME = 0121						

---ALL TIMES ARE IN HOURS AND MINUTES---

FIGURE I-2-3

AIRBORNE DELAYS BY MAJOR ROUTE SEGMENT

MONTHLY AVERAGES FOR BUSY VS. DULL INTERVALS

ROUTE SEGMENT CLE TO DTW

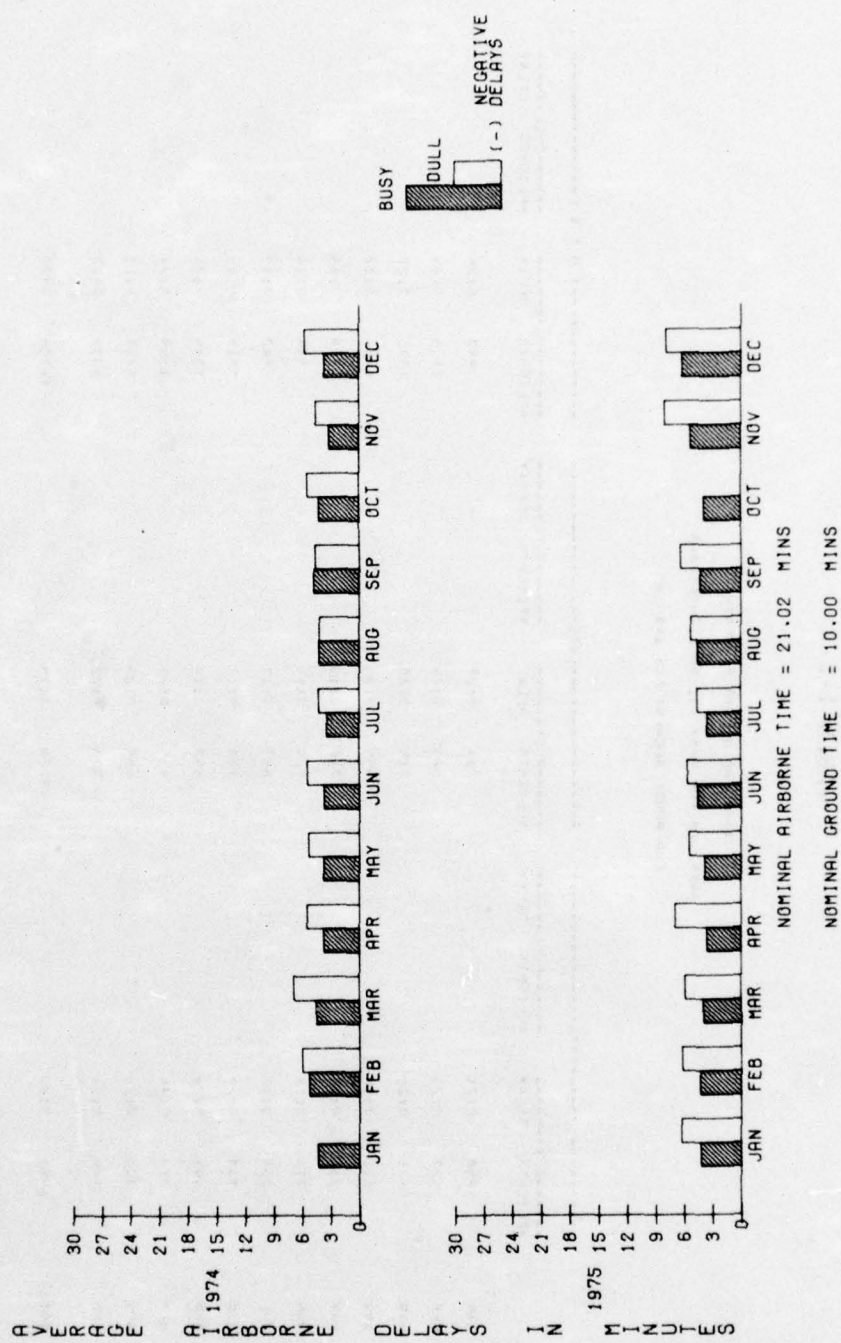


TABLE I-2-4

ADDITIONAL DELAYS BY MONTH
AVERAGES FOR BUSY VS. DULL INTERVALS
FOR ROUTE SEGMENT OCA 222 100

	1974				1975				TOTAL			
	BUSY FLIGHTS	BUSY DELAY	DULL FLIGHTS	DULL DELAY	BUSY FLIGHTS	BUSY DELAY	DULL FLIGHTS	DULL DELAY	BUSY FLIGHTS	BUSY DELAY	DULL FLIGHTS	DULL DELAY
JAN	258	0:23			734	0:27			992	0:26		
FEB	523	0:20			623	0:26			1146	0:25		
MAR	626	0:20			715	0:20			1341	0:22		
APR	611	0:18			655	0:20			1266	0:22		
MAY	258	0:20			740	0:15			978	0:15		
JUN	214	0:16			624	0:15			838	0:16		
JUL	205	0:14			657	0:11			862	0:12		
AUG	743	0:20			770	0:12			1513	0:16		
SEP	691	0:20			658	0:14			1349	0:21		
OCT	714	0:26			655	0:21			1369	0:24		
NOV	723	0:20			680	0:23			1403	0:21		
DEC	705	0:23			573	0:22			1278	0:22		
TOTAL	6251	0:22			8084	0:19			14335	0:20		

NOMINAL ADDITIONAL TIME = 1:22

---ALL TIMES ARE IN HOURS AND MINUTES---

FIGURE I-2-4
 AIRBORNE DELAYS BY MAJOR ROUTE SEGMENT
 MONTHLY AVERAGES FOR BUSY VS. DULL INTERVALS
 ROUTE SEGMENT DCA TO ORD

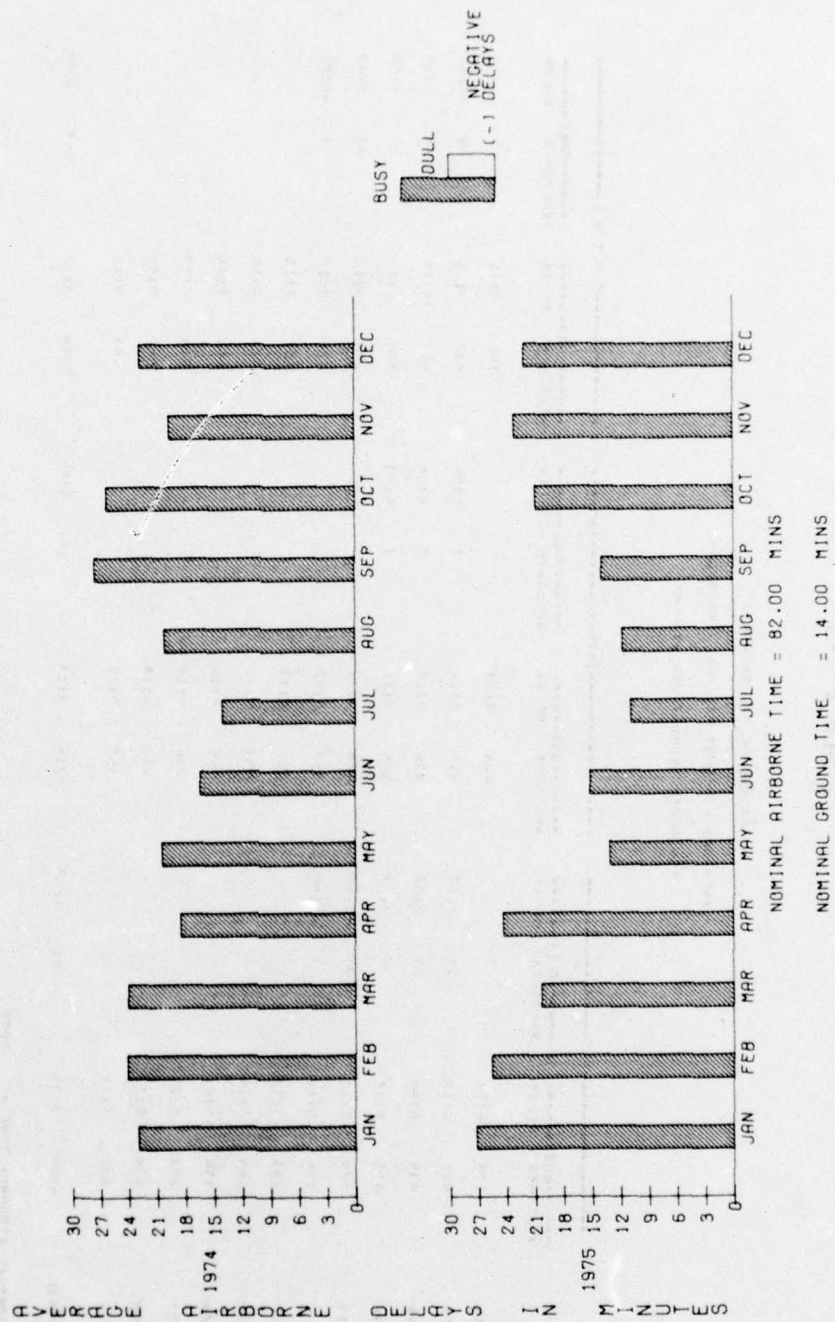


TABLE I-2-5

AIRBORNE DELAYS BY MONTH
AVERAGES FOR BUSY VS. DULL INTERVALS
FOR ROUTE SEGMENT DEN 222 ORD

	1974				1975				Y T A			
	BUSY FLIGHTS	DELAY	DULL FLIGHTS	DELAY	BUSY FLIGHTS	DELAY	DULL FLIGHTS	DELAY	BUSY FLIGHTS	DELAY	DULL FLIGHTS	DELAY
JAN	108	0:00			408	0:13			556	0:11		
FEB	411	0:13	23	0:03	410	0:14	2	0:04	830	0:13	25	0:04
MAR	435	0:00	27	0:02	476	0:10	7	0:04	411	0:00	34	0:03
APR	413	0:11	24	0:02	395	0:11	1	0:05	404	0:11	22	0:02
MAY	120	0:10	21	0:02	484	0:11			608	0:10	21	0:02
JUN	118	0:14	1	0:00	357	0:12			475	0:12	1	0:00
JUL	123	0:12			380	0:10			503	0:13		
AUG	485	0:10			533	0:12			1018	0:14		
SEP	454	0:12			460	0:11			910	0:16		
OCT	450	0:12			466	0:10			916	0:10		
NOV	439	0:14			441	0:14			820	0:17		
DEC	400	0:14			357	0:15			797	0:14		
TOTAL	4000	0:15	93	0:02	5218	0:13	10	0:04	9214	0:10	103	0:05
NOMINAL AIRBORNE TIME = 1101												

---ALL TIMES ARE IN HOURS AND MINUTES---

FIGURE I-2-5
 AIRBORNE DELAYS BY MAJOR ROUTE SEGMENT
 MONTHLY AVERAGES FOR BUSY VS. DULL INTERVALS
 ROUTE SEGMENT DEN TO ORD

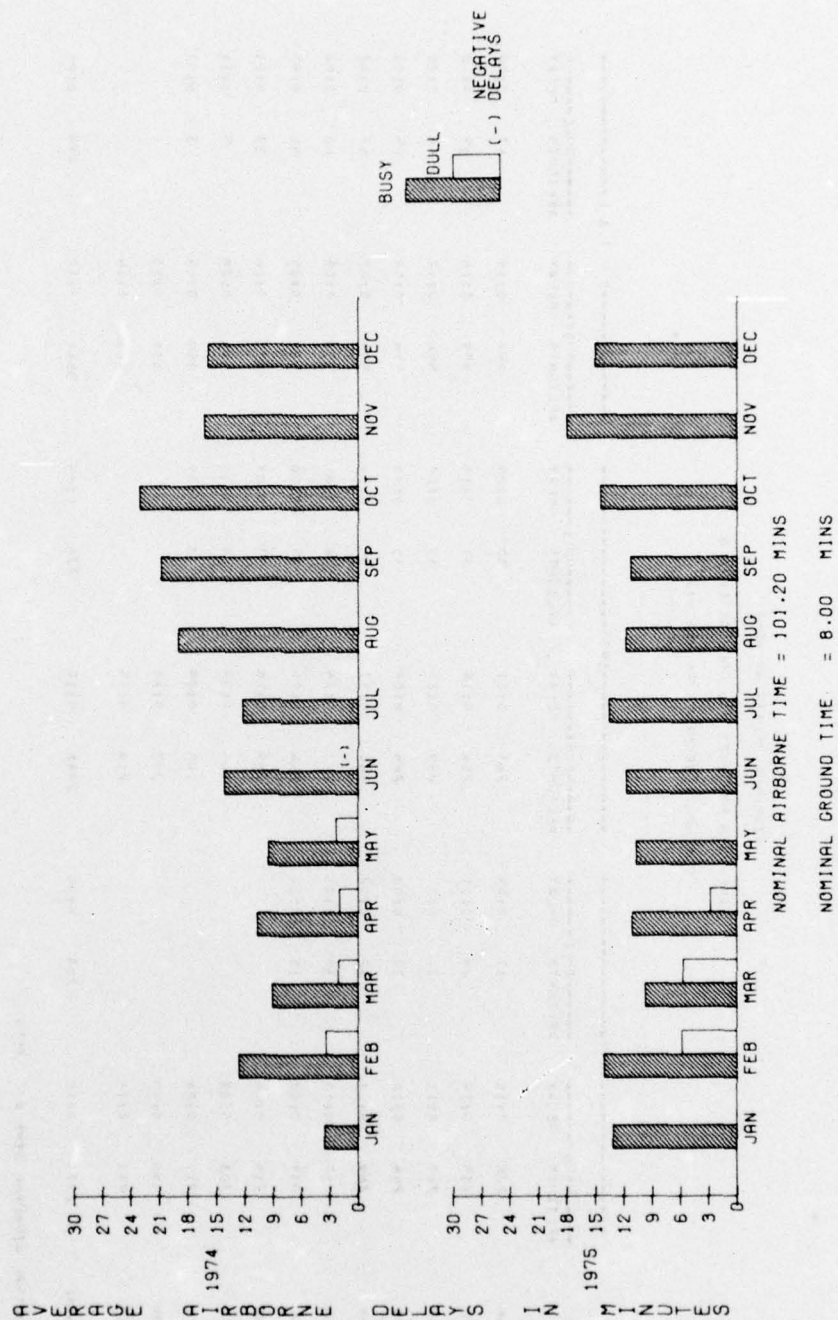


TABLE I-2-6

AIRBORNE DELAYS BY MONTH
AVERAGES FOR HUSV VS. DULL INTERVALS
FOR ROUTE SEGMENT JER SEP MTA

	1974				1975				TOTAL			
	HUSV FLIGHTS	DELAY	DULL FLIGHTS	DELAY	HUSV FLIGHTS	DELAY	DULL FLIGHTS	DELAY	HUSV FLIGHTS	DELAY	DULL FLIGHTS	DELAY
JAN	228	0110	37	0109	263	0117	30	0109	401	0116	67	0109
FEB	235	0115	28	0111	254	0118	31	0113	480	0116	59	0112
MAR	267	0113	31	0104	289	0111	35	0108	556	0112	66	0106
APR	246	0110	30	0104	268	0108	35	0104	510	0109	65	0104
MAY	260	0107	32	0102	264	0107	35	0101	528	0107	67	0102
JUN	257	0110	30	0103	247	0106	38	0101	504	0108	64	0102
JUL	237	0100	15	0102	264	0106	35	0100	501	0105	50	0100
AUG	216	0104			259	0106	33	0101	475	0106	33	0101
SEP	203	0108			165	0109	5	0111	368	0108	5	0111
OCT	211	0108			148	0109	3	0107	359	0109	3	0107
NOV	198	0112			203	0110			401	0111		
DEC	211	0113			210	0115			425	0114		
TOTAL	2773	0110	203	0105	2838	0110	276	0105	5611	0110	479	0105
NOMINAL AIRBORNE TIME = 2110												

---ALL TIMES ARE IN HOURS AND MINUTES---

FIGURE I-2-6
 AIRBORNE DELAYS BY MAJOR ROUTE SEGMENT
 MONTHLY AVERAGES FOR BUSY VS. DULL INTERVALS
 ROUTE SEGMENT JFK TO MIA

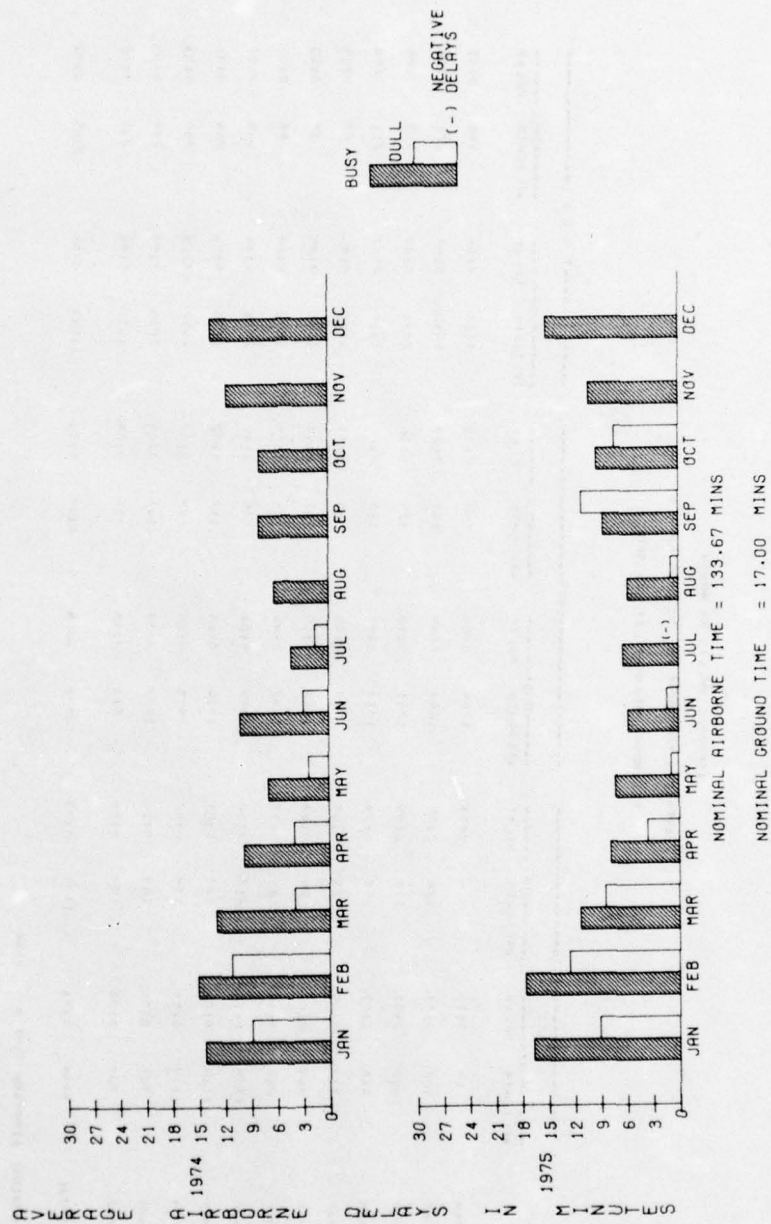


TABLE I-2-7

AIRBORNE DELAYS BY MONTH
AVERAGES FOR BUSY VS. DULL INTERVALS
FOR ROUTE SEGMENT LAX 22> SFO

	1974				1975				T O T A L			
	BUSY FLIGHTS	BUSY DELAY	DULL FLIGHTS	DULL DELAY	BUSY FLIGHTS	BUSY DELAY	DULL FLIGHTS	DULL DELAY	BUSY FLIGHTS	BUSY DELAY	DULL FLIGHTS	DULL DELAY
JAN	40	0110	6	0113	1088	0108	150	0105	1128	0108	156	0105
FEB	988	0107	128	0105	1004	0109	147	0107	1992	0108	275	0106
MAR	1000	0107	118	0105	1080	0110	115	0106	2080	0109	233	0105
APR	940	0107	99	0104	1030	0107	112	0104	1970	0107	211	0104
MAY	280	0105	23	0103	1140	0105	64	0103	1410	0105	87	0103
JUN	269	0105	26	0103	1062	0105	62	0103	1331	0105	88	0103
JUL	267	0104	25	0103	1092	0104	65	0101	1350	0104	90	0101
AUG	1105	0105	213	0102	1209	0104	135	0102	2514	0104	348	0102
SEP	1165	0108	147	0101	1014	0103	117	0102	2179	0104	264	0101
OCT	1179	0108	134	0102	973	0106	92	0104	2152	0105	230	0103
NOV	745	0106	103	0104	1090	0107	143	0105	1835	0107	246	0105
DEC	760	0108	99	0106	815	0108	138	0109	1573	0108	237	0108
TOTAL	4038	0106	1125	0103	12595	0106	1340	0104	21533	0106	2465	0104
NOMINAL AIRBORNE TIME =	0104											

---ALL TIMES ARE IN HOURS AND MINUTES---

FIGURE I-2-7
 AIRBORNE DELAYS BY MAJOR ROUTE SEGMENT
 MONTHLY AVERAGES FOR BUSY VS. DULL INTERVALS
 ROUTE SEGMENT LAX TO SFO

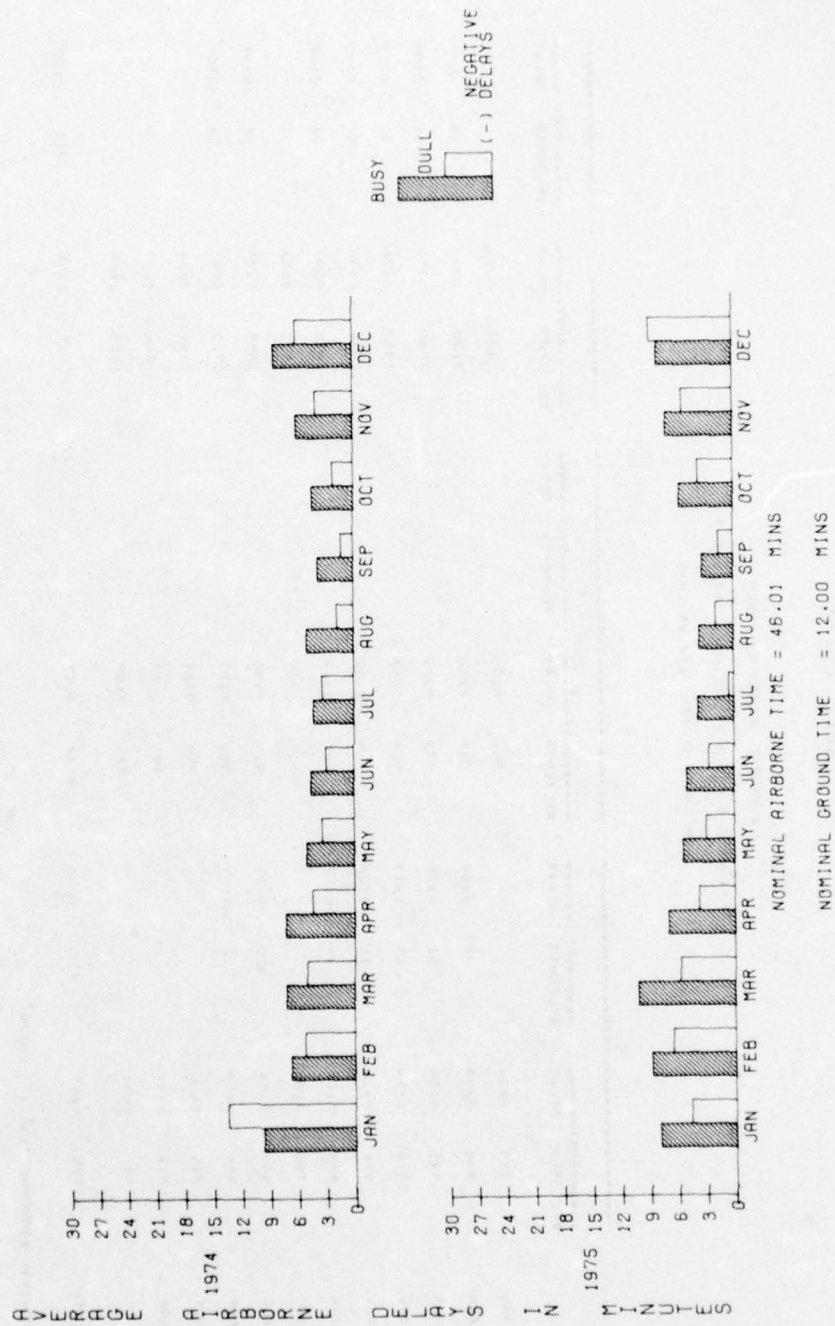


TABLE I-2-8

AIRBORNE DELAYS BY MONTH
AVERAGES FOR HUSV VS. DULL INTERVALS
FOR ROUTE SEGMENT LCA ==> HOS

	1974			1975			T O T A L		
	HUSV #FLIGHTS	DELAY	DULL #FLIGHTS	HUSV #FLIGHTS	DELAY	DULL #FLIGHTS	HUSV #FLIGHTS	DELAY	DULL #FLIGHTS
JAN	773	0104		847	0106		1620	0104	
FEB	848	0104	24	740	0106		1624	0107	24
MAR	981	0104	31	873	0106		1864	0106	31
APR	1004	0104	30	924	0107		1932	0106	30
MAY	974	0104	31	955	0107		1929	0106	31
JUN	884	0107	30	794	0104		1640	0107	30
JUL	746	0107		735	0109		1521	0104	
AUG	954	0104	31	925	0104		1479	0104	31
SEP	804	0107	30	904	0107		1710	0107	30
OCT	845	0104		950	0107		1795	0106	
NOV	873	0107		993	0104		1864	0107	
DEC	837	0107		846	0109		1683	0104	
TOTAL	10575	0107	211	10532	0107		21107	0107	211

NOMINAL AIRBORNE TIME = 0129

---ALL TIMES ARE IN HOURS AND MINUTES---

FIGURE I-2-8
 AIRBORNE DELAYS BY MAJOR ROUTE SEGMENT
 MONTHLY AVERAGES FOR BUSY VS. DULL INTERVALS
 ROUTE SEGMENT LGA TO BOS

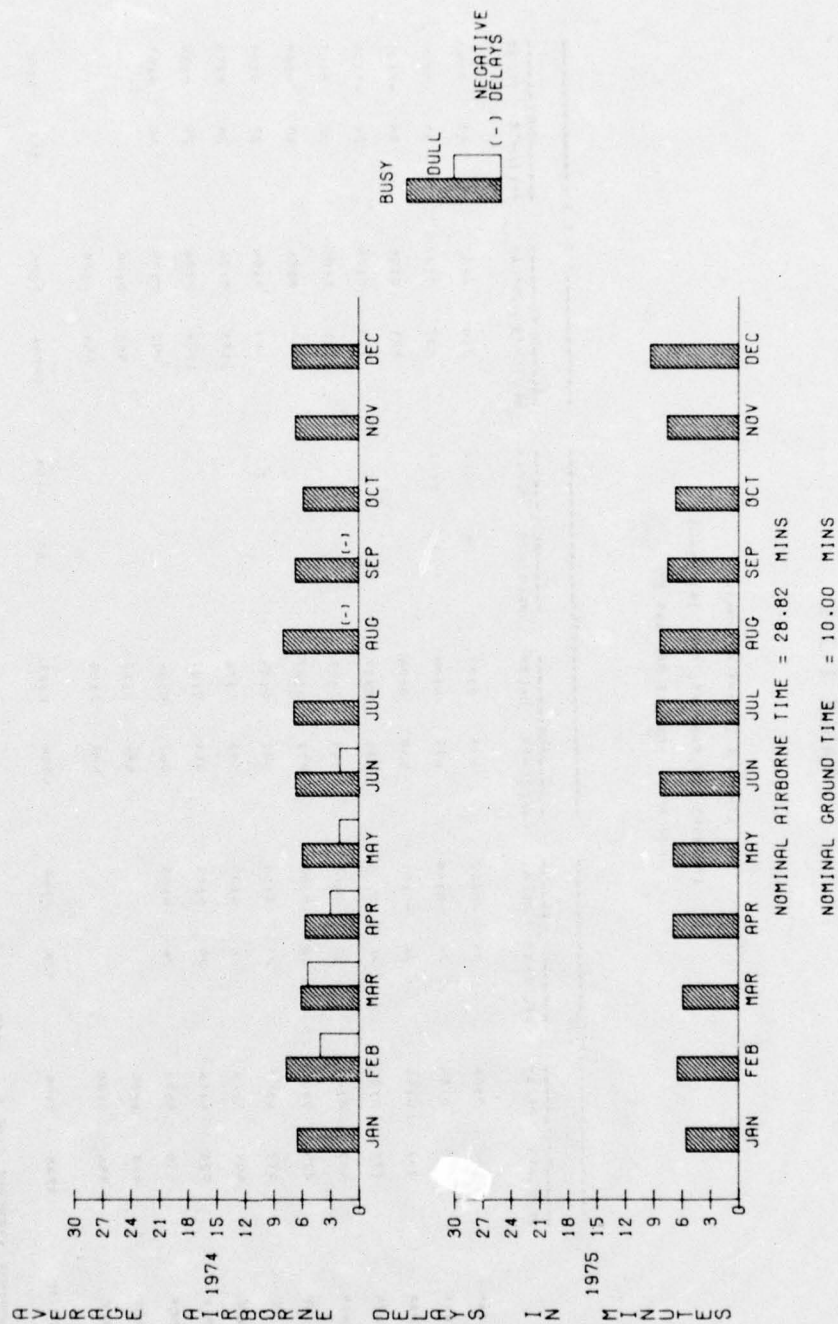


TABLE I-2-9

AIRBORNE DELAYS BY MONTH
AVERAGES FOR NUSV VS. DULL INTERVALS
FOR ROUTE SECTORS AND 22 SY

	1970				1975				TOTAL			
	NUSV #FLIGHTS	NUSV DELAY	DULL #FLIGHTS	DULL DELAY	NUSV #FLIGHTS	NUSV DELAY	DULL #FLIGHTS	DULL DELAY	NUSV #FLIGHTS	NUSV DELAY	DULL #FLIGHTS	DULL DELAY
JAN	272	0:08	25	-0:02	477	0:07	26	0:07	749	0:07	51	0:03
FEB	328	0:05	28	-0:04	479	0:08	17	0:07	807	0:07	45	0:00
MAR	307	0:04	26	-0:01	530	0:06			881	0:06	28	-0:01
APR	270	0:04	26	-0:05	474	0:07			722	0:06	26	-0:05
MAY	502	0:05	50	0:01	554	0:06			1056	0:05	50	0:01
JUN	425	0:04	49	0:00	477	0:07			902	0:06	49	0:00
JUL	412	0:03	27	0:04	437	0:05			849	0:04	27	0:04
AUG	590	0:06	26	0:04	542	0:06			1141	0:06	26	0:04
SEP	523	0:06	25	0:04	483	0:07			1076	0:06	25	0:04
OCT	550	0:04	26	0:05	462	0:06			992	0:05	26	0:03
NOV	424	0:05			536	0:10			960	0:08		
DEC	356	0:05			503	0:09			850	0:08		
TOTAL	4948	0:05	308	0:00	5998	0:07	43	0:07	10006	0:06	351	0:01

NOMINAL AIRBORNE TIME = 0:50

---ALL TIMES ARE IN MINUTES AND SECONDS---

FIGURE I-2-9
 AIRBORNE DELAYS BY MAJOR ROUTE SEGMENT
 MONTHLY AVERAGES FOR BUSY VS. DULL INTERVALS
 ROUTE SEGMENT ORD TO STL

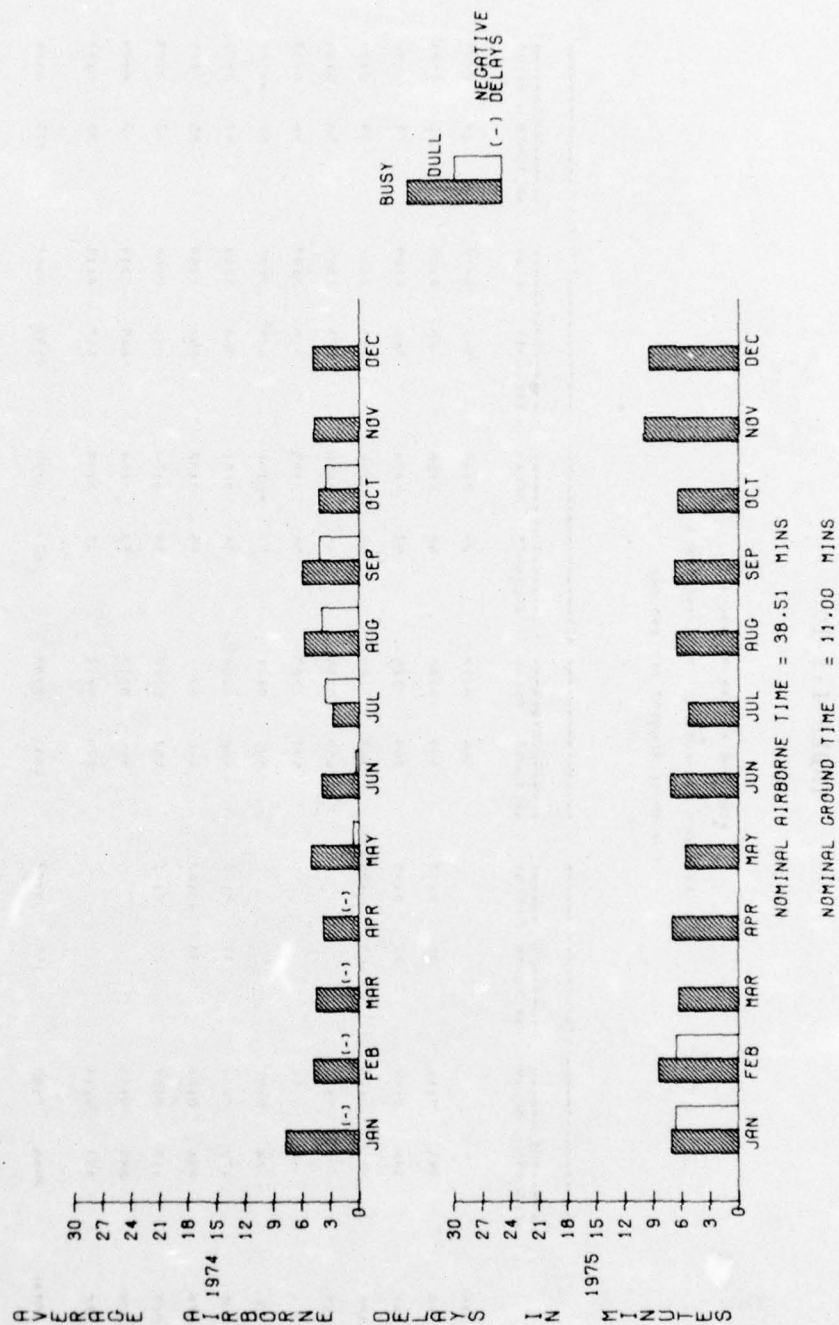


TABLE I-2-10

AIRBORNE DELAYS BY MONTH
AVERAGES FOR HUSV VS. DUL INTERVALS
FOR ROUTE SELEMENT SFO -> SAA

	1974				1975				1976			
	HUSV FLIGHTS	HUSV DELAY	DUL FLIGHTS	DUL DELAY	HUSV FLIGHTS	HUSV DELAY	DUL FLIGHTS	DUL DELAY	HUSV FLIGHTS	HUSV DELAY	DUL FLIGHTS	DUL DELAY
JAN					364	0:12	29	0:08	364	0:12	29	0:08
FEB	353	0:10	20	0:07	335	0:08	50	0:04	364	0:10	70	0:06
MAR	342	0:08	22	0:05	369	0:10	57	0:06	761	0:09	79	0:06
APR	378	0:09	23	0:04	343	0:04	56	0:04	721	0:09	79	0:04
MAY	0	0:04			419	0:09	56	0:06	423	0:09	56	0:06
JUN	13	0:05			397	0:07	56	0:03	410	0:07	56	0:03
JUL	26	0:01			394	0:01	57	0:01	420	0:01	57	0:01
AUG	472	0:04	31	0:00	468	0:04	56	0:01	460	0:04	87	0:01
SEP	436	0:04	30	0:02	416	0:04	55	0:02	453	0:04	85	0:01
OCT	419	0:07	29	0:01	417	0:08	54	0:04	436	0:04	87	0:03
NOV	230	0:09			415	0:10	52	0:06	645	0:10	52	0:06
DEC	243	0:13			274	0:13	40	0:07	517	0:13	40	0:07
TOTAL	2966	0:07	155	0:02	4631	0:08	622	0:04	7597	0:08	777	0:04

MINIMAL AIRBORNE TIME = 1129

---ALL TIMES ARE IN HOURS AND MINUTES---

FIGURE I-2-10

AIRBORNE DELAYS BY MAJOR ROUTE SEGMENT

MONTHLY AVERAGES FOR BUSY VS. DULL INTERVALS

ROUTE SEGMENT SFO TO SEA

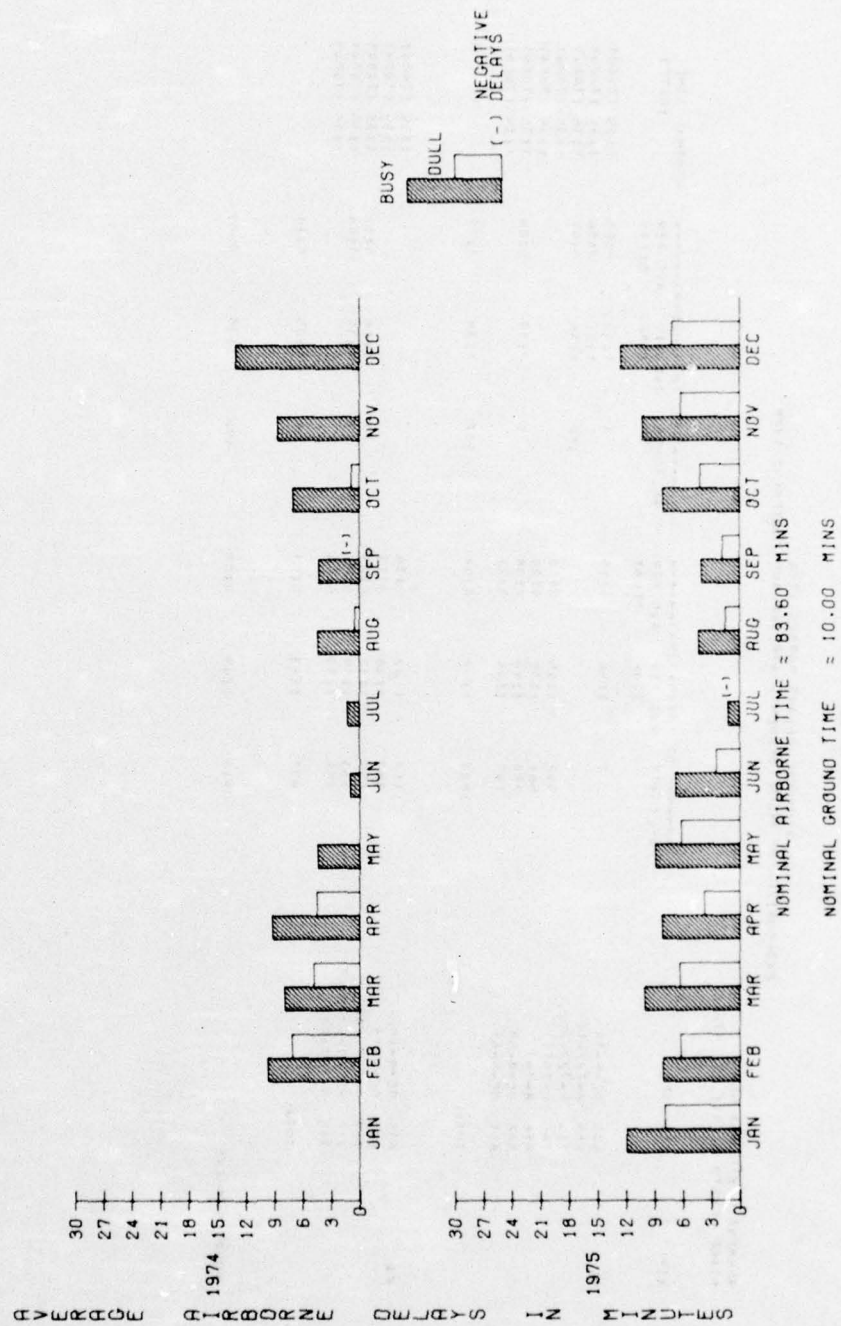


TABLE I-3-1

ALPHABETIC DELAYS DURING 1978
CATEGORIZED BY ROUTE SEGMENT, AIRLINE AND EQUIPMENT TYPE

SEGMENT ATL AND DEN
STAGE LENGTH = 711 ST. MILES

AIRLINE	AIRCRAFT	-----BUSY (0700-2259)-----				-----OHL (2300-0659)-----				NOMINAL TIME (DATE)
		#FLIGHTS	AVG AIR TIME	AVG AIR DELAY		#FLIGHTS	AVG AIR TIME	AVG AIR DELAY		
DL	640 DC-9-30	2	1:54	0:10		3	1:40	0:05		1:35 (7404)
	710 R-727-100					1	1:01	0:06		1:35 (7404)
	715 H-727-200					302	1:36	0:01		1:35 (7404)
	740 1-1011	342	1:45	0:11						1:35 (7404)
	816 A-747	561	1:50	0:09						1:35 (7404)
	848 DC-8-50	784	1:43	0:08		1	1:34	0:04		1:35 (7404)
	841 DC-8-61	145	1:44	0:11						1:35 (7404)
TOTAL		1830	1:42	0:08		307	1:36	0:01		
FA	610 DC-9-10	118	1:42	0:08						1:35 (7404)
	640 DC-9-30	347	1:44	0:13						1:35 (7404)
	710 R-727-100	154	1:38	0:05		87	1:46	0:11		1:35 (7404)
	711 H-727-100C/UP	153	1:39	0:04		2	1:38	0:04		1:35 (7404)
	715 H-727-200	155	1:39	0:04						1:35 (7404)
	TOTAL	977	1:43	0:08		89	1:45	0:11		
ROUTE SUMMARY		2811	1:42	0:08		396	1:38	0:03		

---ALL TIMES ARE IN HOURS AND MINUTES---

TABLE I-3-2

ALPHABETICALLY BY ROUTE SEGMENT, AIRLINE AND EQUIPMENT TYPE

SEGMENT R03 R03 PML
STAGE LENGTH = 240 ST. MILES

AIRLINE	AIRCRAFT	FLIGHTS	AVG AIR TIME	AVG AIR DELAY	FLIGHTS	AVG AIR TIME	AVG AIR DELAY	NOMINAL TIME (DATE)
-----R03 (0700-2249)-----								
AA	710 R-727-100	1	1:00	0:11	27	0:55	0:13	0:42 (7210)
	715 R-727-200	75	0:55	0:12				0:42 (7210)
	730 DC-10-10	121	0:55	0:12				0:42 (7210)
	822 R-707-100R	130	0:55	0:13				0:42 (7210)
	808 R-707-100R	32	0:54	0:11				0:42 (7210)
	809 R-707-100C	70	0:55	0:13				0:42 (7210)
	TOTAL	429	0:55	0:13				
AI	430 CV-580	23	1:15	-0:09	27	0:55	0:13	1:24 (7204)
	605 A-1-11-200	1828	1:00	0:17				0:42 (7210)
	600 DC-9-30	2241	0:57	0:14				0:42 (7210)
	TOTAL	4092	0:58	0:15				
DL	600 DC-9-30	902	0:57	0:15	27	0:55	0:13	0:42 (7210)
	715 R-727-200	1037	0:54	0:12				0:42 (7210)
	TOTAL	1939	0:56	0:13				
FA	710 R-727-100	104	0:57	0:15	27	0:55	0:13	0:42 (7210)
	711 R-727-100C/DC	61	0:57	0:14				0:42 (7210)
	715 R-727-200	14	0:55	0:13				0:42 (7210)
	TOTAL	179	0:57	0:14				
PA	808 R-707-100R	101	1:00	0:17	27	0:55	0:13	0:42 (7210)
	809 R-707-100C	81	0:58	0:14				0:42 (7210)
	TOTAL	182	0:59	0:17				0:42 (7210)

---ALL TIMES ARE IN HOURS AND MINUTES---

TABLE I-3-2 (CONTINUED)

AIRBORNE DELAYS DURING 1978									
CATEGORIZED BY ROUTE SEGMENT, AIRLINE AND EQUIPMENT TYPE									
SEGMENT R09 222 PHL (CONTINUED)									
STAGE LENGTH = 260 ST. MILES									
AIRLINE	AIRCRAFT	-----HUSV (0700-2250)-----				-----DILL (2300-0650)-----			
		FLIGHTS	AVG AIR	AVG AIR	DELAY	FLIGHTS	AVG AIR	AVG AIR	DELAY
		TIME	TIME	TIME	TIME	TIME	TIME	TIME	TIME
ROUTE SUMMARY		6781	0157	0115		27	0155	0113	

---ALL TIMES ARE IN HOURS AND MINUTES---

TABLE I-3-3

ALPHABETIC DELAYS DURING 1974
CATEGORIZED BY ROUTE SEGMENT, AIRLINE AND EQUIPMENT TYPE

SEGMENT CLE 220 DTH
STAGE LENGTH 2 05 ST. MILES

AIRLINE	AIRCRAFT	-----BUSY (0700-2259)-----			-----IDLE (2300-0659)-----			NOMINAL TIME
		#FLIGHTS	AVG ATR	AVG ATR	#FLIGHTS	AVG ATR	AVG ATR	(DATE)
			TIME	DELAY		TIME	DELAY	
AL	605 R-1-11-200	24	0125	0104				0114 (7202)
	TOTAL	26	0125	0104				
DL	640 DC-9-30	117	0120	0102				0114 (7202)
	TOTAL	117	0120	0102				
FA	710 R-727-100	34	0124	0107				0114 (7202)
	711 R-727-100C/DC	42	0125	0104				0114 (7202)
	TOTAL	42	0124	0107				
NC	430 CV-580	1409	0124	0104				0124 (7209)
	640 DC-9-30	542	0124	0104				0114 (7202)
	TOTAL	1951	0127	0104				
NW	710 R-727-100	102	0123	0106	197	0123	0106	0114 (7202)
	715 R-727-200	47	0124	0106	34	0123	0106	0114 (7202)
	TOTAL	149	0123	0104	231	0123	0106	
UA	450 DC-8-50F				162	0122	0105	0114 (7202)
	TOTAL				162	0122	0105	

---ALL TIMES ARE IN HOURS AND MINUTES---

TABLE I-3-3 (CONTINUED)

SECRETARY CLF AND DTN (CONTINUED)		AIRBORNE DELAYS DURING 1974		CATEGORIZED BY ROUTE SEGMENT, AIRLINE AND EQUIPMENT TYPE	
STAGE LENGTH	95 ST. MILES				
AIRLINE	AIRCRAFT	FLIGHTS	AVG AIR TIME	AVG AIR DELAY	NOMINAL TIME (DATE)
		2505	0125	0104	
		393	0123	0105	

---ALL TIMES ARE IN HOURS AND MINUTES---

TABLE I-3-4

AIRBORNE DELAYS DURING 1974 CATEGORIZED BY ROUTE SEGMENT, AIRLINE AND EQUIPMENT TYPE									
SEGMENT DCA MAX ORD STAGE LENGTH = 612 NM, WTLS									
AIRLINE	AIRCRAFT	-----BUSY (0700-2249)-----			-----DULL (2300-0659)-----			NOMINAL TIME	
		FLIGHTS	AVG AIR TIME	AVG AIR DELAY	FLIGHTS	AVG AIR TIME	AVG AIR DELAY	(DATE)	
AA	710 R-727-100	2405	1145	0123				1122	(7207)
	715 R-727-200	1039	1143	0121				1122	(7207)
	TOTAL	3044	1144	0122					
TN	710 R-727-100	144	1139	0117				1122	(7207)
	711 R-727-100C/QC	105	1139	0117				1122	(7207)
	715 R-727-200	974	1145	0123				1122	(7207)
	TOTAL	1423	1143	0121					
UA	620 R-717-200	213	1144	0122				1122	(7207)
	710 R-727-100	422	1147	0125				1122	(7207)
	711 R-727-100C/QC	162	1141	0119				1122	(7207)
	715 R-727-200	987	1145	0123				1122	(7207)
	TOTAL	1784	1145	0123					
ROUTE SUMMARY		6251	1144	0122					

---ALL TIMES ARE IN HOURS AND MINUTES---

TABLE I-3-5

AIRCRAFT DELAYS DURING 1974
CATEGORIZED BY ROUTE SEGMENT, AIRLINE AND EQUIPMENT TYPE

SEGMENT DEN 222 ORD
STAGE LENGTH = 900 ST. MILES

AIRLINE	AIRCRAFT	-----BUSY (0700-2259)-----			-----IDLE (2300-0659)-----			NOMINAL TIME (DATE)
		#FLIGHTS	AVG AIR TIME	AVG AIR DELAY	#FLIGHTS	AVG AIR TIME	AVG AIR DELAY	
CN	715 R-727-200	720	1155	0114	8	1144	0107	1141 (7212)
	730 DC-10-10	689	1154	0113	85	1143	0102	1141 (7212)
	814 R-720-000H	26	1155	0114				1141 (7212)
	TOTAL	1435	1155	0113	93	1144	0102	
TW	710 R-727-100	154	1155	0114				1141 (7212)
	711 R-727-100C/UC	43	1154	0113				1141 (7212)
	715 R-727-200	400	2101	0119				1141 (7212)
	802 R-707-100H	342	1157	0116				1141 (7212)
	804 R-707-100	22	1151	0110				1141 (7212)
	808 R-707-100R	52	1157	0116				1141 (7212)
	809 R-707-100C	4	1154	0117				1141 (7212)
	825 CV-680	167	1150	0109				1141 (7212)
	TOTAL	1184	1157	0116				
UA	620 R-737-200	5	2109	0127				1141 (7212)
	710 R-727-100	346	1158	0114				1141 (7212)
	711 R-727-100C/UC	41	1155	0114				1141 (7212)
	715 R-727-200	39	1154	0113				1141 (7212)
	730 DC-10-10	590	2100	0119				1141 (7212)
	814 R-747	27	2100	0119				1141 (7212)
	842 DC-8-20	74	1156	0115				1141 (7212)
	844 DC-8-30	11	2101	0120				1141 (7212)
	848 DC-8-50	36	1155	0114				1141 (7212)
	851 DC-8-61	174	1158	0117				1141 (7212)
	TOTAL	1381	1158	0117				

ROUTE SUMMARY

4000 1157 0115 93 1144 0102

---ALL TIMES ARE IN HOURS AND MINUTES---

TABLE I-3-6

AIRBORNE DELAYS DURING 1974
CATEGORIZED BY ROUTE SEGMENT, AIRLINE AND EQUIPMENT TYPE

SEGMENT JFK-BOS-WIA
STAGE LENGTH = 1090 ST. MILES

AIRLINE	AIRCRAFT	-----BUSY (0700-2259)-----				-----IDLE (2300-0659)-----				NOMINAL TIME	
		#FLIGHTS	AVG AIR TIME	AVG AIR DELAY		#FLIGHTS	AVG AIR TIME	AVG AIR DELAY		(DATE)	(DATE)
RN	R48 DC-8-50	16	2132	0:11						2114 (7209)	
	850 DC-8-62	281	2129	0:15						2114 (7209)	
	TOTAL	297	2129	0:16							
DL	715 R-727-200	415	2114	0:03						2114 (7209)	
	730 DC-10-10	106	2130	0:17						2114 (7209)	
	760 L-1011	3	2127	0:14						2114 (7209)	
	R48 DC-8-50	156	2125	0:11						2114 (7209)	
	851 DC-8-61	5	2134	0:125						2114 (7209)	
	TOTAL	685	2121	0:07							
FA	640 DC-9-30	9	2134	0:124		6	2:43	0:129		2114 (7209)	
	710 R-727-100	184	2125	0:12						2114 (7209)	
	711 R-727-100C/QC	450	2124	0:09						2114 (7209)	
	715 R-727-200	294	2125	0:11		2	2:23	0:110		2114 (7209)	
	740 L-1011	483	2123	0:09						2114 (7209)	
	TOTAL	1024	2124	0:10		8	2:34	0:124			
NA	710 R-727-100	7	2121	0:07		1	2:09	-0:05		2114 (7209)	
	715 R-727-200	8	2125	0:11		192	2:16	0:04		2114 (7209)	
	730 DC-10-10	87	2122	0:04						2114 (7209)	
	732 DC-10-30	51	2124	0:09						2114 (7209)	
	A16 H-747	97	2125	0:12		1	2:33	0:19		2114 (7209)	
	A42 DC-8-20	55	2127	0:13		1	2:32	0:14		2114 (7209)	
	A50 DC-8-50F	14	2133	0:19						2114 (7209)	
	A51 DC-8-61	14	2127	0:14						2114 (7209)	
	TOTAL	341	2125	0:11		195	2:14	0:04			

---ALL TIMES ARE IN HOURS AND MINUTES---

TABLE I-3-6 (CONTINUED)

AIRBORNE DELAYS DURING 1974 CATEGORIZED BY ROUTE SEGMENT, AIRLINE AND EQUIPMENT TYPE									
SEGMENT JFK ↔ MIA (CONTINUED) STAGE LENGTH ± 1000 ST. MILES									
AIRLINE	AIRCRAFT	-----BUSY (0700-2259)-----			-----DULL (2300-0659)-----			NOMINAL TIME (DATE)	
		#FLIGHTS	AVG ATD	AVG ALD	#FLIGHTS	AVG ATD	AVG ALD	TIME	DELAY
			TIME	DELAY		TIME	DELAY		
PA	710 R-727-100	4	2122	0108					2114 (7209)
	808 R-707-100R	17	2126	0112					2114 (7209)
	809 R-707-100C	5	2130	0116					2114 (7209)
	TOTAL	26	2126	0112					
ROUTE SUMMARY		2773	2124	0110	203	2119		0:05	

---ALL TIMES ARE IN HOURS AND MINUTES---

TABLE I-3-7

ALBANY DELAYS DURING 1974
CATEGORIZED BY ROUTE SEGMENT, AIRLINE AND EQUIPMENT TYPE

SEGMENT LAX -> SFO
STAGE LENGTH = 330 ST. MILES

AIRLINE	AIRCRAFT	-----RISKY (0700-2259)----- #FLIGHTS AVG AIR TIME DELAY	-----DULL (2300-0659)----- #FLIGHTS AVG AIR TIME DELAY	NOMINAL TIME (DATE)
AA	A09 R-707-300C	391 0151 0105		0146 (7204)
	TOTAL	391 0151 0105		
AN	A54 DC-8-62	151 0153 0107		0146 (7204)
	TOTAL	151 0153 0107		
DL	808 DC-8-50	2 0147 0101	9 0155 0109	0146 (7204)
	851 DC-8-61	261 0146 -0100	125 0149 0103	0146 (7204)
	TOTAL	263 0146 -0100	134 0149 0103	
NW	816 R-747	88 0153 0107		0146 (7204)
	TOTAL	88 0153 0107		
PA	808 R-707-300H	129 0152 0106		0146 (7204)
	809 R-707-300C	151 0151 0107	38 0153 0107	0146 (7204)
	816 R-747	553 0152 0106		0146 (7204)
	TOTAL	833 0152 0106	38 0153 0107	
QM	630 DC-9-10	255 0152 0106		0146 (7204)
	640 DC-9-10	423 0153 0107		0146 (7204)
	TOTAL	678 0153 0107		

---ALL TIMES ARE IN HOURS AND MINUTES---

TABLE I-3-7 (CONTINUED)

AIRBORNE DELAYS DURING 1974									
CATEGORIZED BY ROUTE SEGMENT, AIRLINE AND EQUIPMENT TYPE									
SEGMENT LAX-BSD-NYC (CONTINUED)									
STAGE LENGTH = 334 ST. MILES									
AIRLINE	AIRCRAFT	-----BUSY (0700-2259)-----			-----DULL (2300-0659)-----			NOMINAL TIME (DATE)	
		FLIGHTS	AVG. ATD	TIME DELAY	FLIGHTS	AVG. ATD	TIME DELAY		
TM	710 R-727-100	69	0150	0104				0146 (7204)	
	711 R-727-100C/QC	16	0149	0103				0146 (7204)	
	715 H-727-200	134	0154	0108	72	0150	0104	0146 (7204)	
	760 L-1011	175	0150	0104	2	0147	0101	0146 (7204)	
	802 R-707-100H	454	0152	0106	226	0150	0104	0146 (7204)	
	806 R-707-100	24	0152	0106	11	0149	0103	0146 (7204)	
	808 R-707-100H	242	0152	0106	203	0150	0104	0146 (7204)	
	809 R-707-100C	431	0152	0106	79	0150	0104	0146 (7204)	
	816 R-747	145	0152	0106	1	0146	0100	0146 (7204)	
	TOTAL	1730	0152	0106	594	0150	0104		
UA	620 R-737-200	494	0154	0108				0146 (7204)	
	710 R-727-100	1636	0151	0105				0146 (7204)	
	711 H-727-100C/QC	482	0152	0106				0146 (7204)	
	715 H-727-200	134	0151	0105				0146 (7204)	
	730 DC-10-10	5	0152	0106				0146 (7204)	
	816 R-747	3	0154	0108	17	0148	0102	0146 (7204)	
	842 DC-8-20	170	0153	0107				0146 (7204)	
	844 DC-8-30	15	0154	0108	13	0147	0101	0146 (7204)	
	848 DC-8-50	40	0151	0105				0146 (7204)	
	850 DC-8-50F	164	0152	0106	5	0147	0101	0146 (7204)	
WA	851 DC-8-61	117	0152	0106	4	0147	0103	0146 (7204)	
	854 DC-8-62	84	0152	0106				0146 (7204)	
	TOTAL	3544	0152	0106	39	0148	0102		
	620 H-737-200	749	0152	0106				0146 (7204)	
	715 H-727-200	337	0151	0105	54	0151	0105	0146 (7204)	
	730 DC-10-10	1	0149	0103	205	0148	0102	0146 (7204)	
	809 R-707-100C	39	0150	0104				0146 (7204)	
	814 H-720-000H	134	0151	0105	54	0148	0102	0146 (7204)	
	TOTAL	1260	0152	0106	321	0149	0103		

---ALL TIMES ARE IN HOURS AND MINUTES---

TABLE I-3-7 (CONTINUED)

AIRBORNE DELAYS DURING 1974									
CATEGORIZED BY ROUTE SEGMENT, AIRLINE AND EQUIPMENT TYPE									
SEGMENT LAY 802 900 (CONTINUED)									
STAGE LENGTH = 330 ST. 0114									
AIRLINE	AIRCRAFT	-----BUSY (0700-2250)-----			-----DULL (2300-0650)-----			NOMINAL TIME (DATE)	
		FLIGHTS	AVG AIR TIME	AVG AIR DELAY	FLIGHTS	AVG AIR TIME	AVG AIR DELAY		
ROUTE SUMMARY									
		8938	0152	0106	1125	0109	0103		

---ALL TIMES ARE IN HOURS AND MINUTES---

TABLE I-3-8

ALPHABETIC DELAYS DURING 1974
CATEGORIZED BY ROUTE SEGMENT, AIRLINE AND EQUIPMENT TYPE

SEGMENT LGA >>> RDS
STAGE LENGTH = 145 ST. MILES

AIRLINE	AIRCRAFT	-----BUSY (0700-2259)-----			-----DULL (2300-0650)-----			NOMINAL TIME (DATE)
		FLIGHTS	AVG AIR TIME	AVG AIR DELAY	FLIGHTS	AVG AIR TIME	AVG AIR DELAY	
AA	710 R-727-100	862	0134	0107				0126 (7212)
	715 R-727-200	841	0133	0106				0126 (7212)
	710 DC-10-10	109	0134	0110				0126 (7212)
	TOTAL	1812	0133	0107				
DL	640 DC-9-30				211	0124	0102	0126 (7212)
	TOTAL				211	0124	0102	
PA	550 1-168A-0A/168C	2766	0140	0105				0135 (7201)
	640 DC-9-30	5720	0134	0107				0126 (7212)
	710 R-727-100	84	0133	0107				0126 (7212)
	711 R-727-100C/QC	26	0133	0106				0126 (7212)
	715 R-727-200	163	0135	0109				0126 (7212)
	TOTAL	8763	0136	0107				
ROUTE SUMMARY		10575	0135	0107	211	0124	0102	

---ALL TIMES ARE IN HOURS AND MINUTES---

TABLE I-3-9

ALPHABETIC DELAYS DURING 1974
CATEGORIZED BY ROUTE SEGMENT, AIRLINE AND EQUIPMENT TYPE

SEGMENT AND STAGE
STAGE LENGTH > 250 ST. MILES

AIRLINE	AIRCRAFT	-----BUSY (0700-2259)----- FLIGHTS AVG AIR TIME DELAY	-----IDLE (2300-0659)----- FLIGHTS AVG AIR TIME DELAY	NOMINAL TIME (DATE)
AA	710 R-727-100	248 0145 0104		0138 (7205)
	715 R-727-200	110 0144 0104		0138 (7205)
	802 R-707-100R	652 0145 0104		0138 (7205)
	808 R-707-100R	38 0145 0104		0138 (7205)
	809 R-707-100C	57 0146 0104		0138 (7205)
	TOTAL	1114 0145 0104		
DL	680 DC-9-30	2455 0143 0104	157 0136 -0103	0138 (7205)
	710 R-727-100	110 0142 0104		0138 (7205)
	715 R-727-200	292 0140 0101		0138 (7205)
	844 DC-8-30	2 0146 0108		0138 (7205)
	848 DC-8-50	2 0143 0104		0138 (7205)
	TOTAL	2865 0142 0104	157 0136 -0103	
N7	450 F4-227	2 1111 0104		1105 (7212)
	610 DC-9-10	170 0140 0104	18 0143 0104	0138 (7205)
	640 DC-9-30	788 0145 0104	133 0142 0104	0138 (7205)
	TOTAL	960 0145 0104	151 0142 0104	
ROUTE SUMMARY		4088 0143 0105	308 0139 0100	

---ALL TIMES ARE IN HOURS AND MINUTES---

TABLE I-3-10

ATMOSPHERIC DELAYS DURING 1974
CATEGORIZED BY ROUTE SEGMENT, AIRLINE AND EQUIPMENT TYPE

SEGMENT: SEA TO SEA
STAGE LENGTH: 1,000 NM

AIRLINE	AIRCRAFT	BUSY (0700-2259)			DULL (2300-0659)			NOMINAL TIME (DATE)
		FLIGHTS	AVG AIR TIME	AVG AIR DELAY	FLIGHTS	AVG AIR TIME	AVG AIR DELAY	
PA	804 R-707-300R	2	1131	0108				1124 (7206)
	816 R-747	96	1124	0103				1124 (7206)
	TOTAL	98	1124	0103				
UA	620 R-737-200	1	1137	0113				1124 (7206)
	710 R-727-100	871	1131	0107				1124 (7206)
	711 R-727-100C/UC	369	1131	0108				1124 (7206)
	715 R-727-200	13	1129	0105				1124 (7206)
	730 DC-10-10	1	1136	0112				1124 (7206)
	A16 R-747	1	1124	0102				1124 (7206)
	A42 DC-8-20	249	1131	0108				1124 (7206)
	A44 DC-8-30	7	1137	0114				1124 (7206)
	A48 DC-8-50	19	1132	0109				1124 (7206)
	A51 DC-8-61	192	1130	0107				1124 (7206)
	A54 DC-8-62	17	1129	0105				1124 (7206)
	TOTAL	1812	1131	0108				
WA	620 R-737-200	621	1133	0110				1124 (7206)
	715 R-727-200	286	1128	0108	154	1126	0102	1124 (7206)
	A09 R-707-300C	2	1127	0103				1124 (7206)
	A18 R-720-000H	147	1131	0107	1	1125	0101	1124 (7206)
TOTAL		1056	1131	0108	155	1126	0102	
ROUTE SUMMARY		2068	1131	0107	155	1126	0102	

---ALL TIMES ARE IN HOURS AND MINUTES---

TABLE I-4-1

AIRPORT DELAYS DURING 1975
CATEGORIZED BY ROUTE SEGMENT, AIRLINE AND EQUIPMENT TYPE

SEGMENT ATL → DFW
STAGE LENGTH = 711 ST. MILES

AIRLINE	AIRCRAFT	-----BUSY (0700-2259)----- #FLIGHTS AVG AIR TIME DELAY	-----DULL (2300-0659)----- #FLIGHTS AVG AIR TIME DELAY	NOMINAL TIME (DATE)
DL	640 NC-9-10	2 1138 0103	155 1154 -0100	1135 (7404)
	715 R-727-200		146 1140 0106	1135 (7404)
	760 L-1011	420 1138 0104		1135 (7404)
	816 R-747	315 1142 0104		1135 (7404)
	908 NC-8-50	908 1143 0104	2 1140 0106	1135 (7404)
TOTAL		2285 1141 0107	283 1137 0103	
FA	630 NC-9-10	1 1138 0103		1135 (7404)
	640 NC-8-30	1068 1148 0113		1135 (7404)
	710 R-727-100	210 1145 0110		1135 (7404)
	711 R-727-100C/DC	73 1141 0107		1135 (7404)
	715 R-727-200	3 1145 0111		1135 (7404)
TOTAL		1355 1147 0112		
ROUTE SUMMARY		3559 1140 0109	283 1137 0103	

---ALL TIMES ARE IN HOURS AND MINUTES---

TABLE I-4-2

ALBANY DELAYS DURING 1975
CATEGORIZED BY ROUTE SEGMENT, AIRLINE AND EQUIPMENT TYPE

SEGMENT ROS AND PHL
STAGE LENGTH = 281 ST. MILES

AIRLINE	AIRCRAFT	-----BUSY (0700-2259)-----			-----DULL (2300-0659)-----			NOMINAL TIME (DATE)
		#FLIGHTS	AVG AIR TIME	AVG AIR DELAY	#FLIGHTS	AVG AIR TIME	AVG AIR DELAY	
AA	710 R-727-100	1	1:02	0:20				0:42 (7210)
	715 R-727-200	7	0:52	0:10				0:42 (7210)
	802 R-707-100R	179	0:56	0:13				0:42 (7210)
	804 R-707-300R	33	0:51	0:09				0:42 (7210)
	809 R-707-300C	74	0:54	0:12				0:42 (7210)
	TOTAL	294	0:55	0:13				
AL	430 CV-580	2	1:14	-0:09				1:24 (7204)
	605 R-1-11-200	317	1:02	0:19				0:42 (7210)
	640 DC-8-30	2841	0:55	0:13	21	0:51	0:09	0:42 (7210)
	650 MISCELLANEOUS	52	0:57	0:15	2	0:57	0:15	0:42 (7210)
	TOTAL	3212	0:56	0:13	23	0:52	0:10	
DL	640 DC-8-30	479	0:54	0:13				0:42 (7210)
	710 R-727-100	199	0:52	0:10				0:42 (7210)
	715 R-727-200	331	0:54	0:12				0:42 (7210)
	844 DC-8-50	207	0:55	0:12				0:42 (7210)
	851 DC-8-61	1	0:52	0:10				0:42 (7210)
	TOTAL	2017	0:54	0:12				
FA	710 R-727-100	204	0:56	0:10				0:42 (7210)
	711 R-727-100C/DC	123	0:54	0:11				0:42 (7210)
	715 R-727-200	9	0:53	0:11				0:42 (7210)
	TOTAL	336	0:55	0:13				
TA	609 R-707-300C				123	0:52	0:10	0:42 (7210)

---ALL TIMES ARE IN HOURS AND MINUTES---

ALONGSIDE DELAYS DURING 1975
CATEGORIZED BY UNIT'S SECURITY, ACHIEVING AND FOLLOWING TYPE

SEGMENT POS => PHL (CONTINUED)
 STAGE LENGTH = 241 ST. MILES

AIRCRAFT	*****RU5V (0700-2249)*****				*****0011 (2300-0649)*****			
	FLIGHTS	AVG ATD	AVG AIR	DELAY	FLIGHTS	AVG ATD	AVG AIR	DELAY
123	0152	0110						
186	0152	0110						
SUMMARY				SRMS	0155	0111		
TOTAL								

---ALL TIMES ARE IN HOURS AND MINUTES---

TABLE I-4-3

AIRBORNE DELAYS DURING 1975
CATEGORIZED BY ROUTE SEGMENT, AIRLINE AND EQUIPMENT TYPE

SEGMENT CLF >= 07M STAGE LENGTH = 95 ST. MILES									
AIRLINE	AIRCRAFT	-----BUSY (0700-2259)-----			-----DULL (2300-0659)-----			NOMINAL TIME (DATE)	
		FLIGHTS	AVG AIR TIME	AVG AIR DELAY	FLIGHTS	AVG AIR TIME	AVG AIR DELAY		
AL	640 DC-8-30	30	0123	0105				0118	(7202)
	TOTAL	30	0123	0105					
DL	640 DC-8-30	360	0121	0103				0118	(7202)
	TOTAL	360	0121	0103					
FA	630 DC-8-10	20	0124	0106				0118	(7202)
	640 DC-8-30	140	0124	0106				0118	(7202)
	TOTAL	160	0124	0106					
NC	430 CV-580	2084	0124	0104				0124	(7209)
	640 DC-8-30	715	0124	0106				0118	(7202)
	TOTAL	2799	0127	0104					
NW	715 R-727-200				5	0127	0109	0118	(7202)
	710 R-727-100				78	0124	0107	0118	(7202)
	715 R-727-200				217	0124	0107	0118	(7202)
	TOTAL				296	0124	0107		
UA	450 DC-8-50F				161	0123	0105	0118	(7202)
	TOTAL				161	0123	0105		

---ALL TIMES ARE IN HOURS AND MINUTES---

ALPHABETICALLY BY ROUTE SEGMENT, AIRLINE AND EQUIPMENT TYPE

SEGMENT CLF 003 CTM (CONTINUED)
STAGE LENGTH = 95 ST. MILES

AIRLINE	AIRCRAFT	-----MUSY (0700-2250)-----				-----DULL (2300-0650)-----			
		FLIGHTS	AVG AID	AVG ATR	FLIGHTS	AVG AID	AVG ATR		
		TIME	DELAY	TIME	DELAY	TIME	DELAY		
ROUTE SUMMARY		3300	0126	0104	457	0120	0106		

---ALL TIMES ARE IN HOURS AND MINUTES---

TABLE I-4-4

SEGMENT DCA AND ORD		AIRBORNE DELAYS DURING 1975									
STAGE LENGTH & AIR ST. MILES		CATEGORIZED BY ROUTE SEGMENT, AIRLINE AND EQUIPMENT TYPE									
AIRLINE	AIRCRAFT	BUSY (0700-2259)-----			CUL (2300-0659)-----			NOMINAL TIME			
		#FLIGHTS	AVG AIR TIME	AVG AIR DELAY	#FLIGHTS	AVG AIR TIME	AVG AIR DELAY				
AA	710 R-727-100	1924	1143	0121				1122	(7207)		
	715 R-727-200	1125	1141	0119				1122	(7207)		
	TOTAL	3049	1142	0120							
TW	710 R-727-100	633	1139	0117				1122	(7207)		
	711 R-727-100C/OC	131	1138	0116				1122	(7207)		
	715 R-727-200	1416	1140	0118				1122	(7207)		
	TOTAL	2382	1140	0118							
UA	620 R-737-200	368	1143	0121				1122	(7207)		
	710 R-727-100	761	1139	0117				1122	(7207)		
	711 R-727-100C/OC	133	1135	0113				1122	(7207)		
	715 R-727-200	1391	1142	0120				1122	(7207)		
	TOTAL	2653	1141	0119							
ROUTE SUMMARY		8084	1141	0119							

---ALL TIMES ARE IN HOURS AND MINUTES---

TABLE I-4-5

AIRBORNE DELAYS DURING 1975
CATEGORIZED BY ROUTE SEGMENT, AIRLINE AND EQUIPMENT TYPE

SEGMENT DEN 523 ORD
STAGE LENGTH = 901 ST. MILES

AIRLINE	AIRCRAFT	-----RIVY (0700-2259)-----			-----OUL (2300-0459)-----			NOMINAL TIME (DATE)
		#FLIGHTS	AVG AIR TIME	AVG AIR DELAY	#FLIGHTS	AVG AIR TIME	AVG AIR DELAY	
CO	715 R-727-200	543	1153	0111				1141 (7212)
	710 DC-10-10	789	1151	0110				1141 (7212)
	814 R-720-000R	5	2121	0139	9	1147	0105	1141 (7212)
	TOTAL	1337	1152	0111	10	1147	0105	
YM	710 R-727-100	474	1156	0115				1141 (7212)
	711 R-727-100C/QC	135	1156	0115				1141 (7212)
	715 R-727-200	304	1155	0113				1141 (7212)
	802 R-707-100H	574	1151	0110				1141 (7212)
	806 R-707-100	37	1152	0111				1141 (7212)
	808 R-707-100R	133	1153	0112				1141 (7212)
	809 R-707-100C	5	1144	0105				1141 (7212)
	TOTAL	1474	1154	0113				
UA	820 R-737-200	45	2103	0121				1141 (7212)
	710 R-727-100	341	1154	0117				1141 (7212)
	711 R-727-100C/QC	67	1159	0114				1141 (7212)
	715 R-727-200	42	1152	0111				1141 (7212)
	730 DC-10-10	464	1155	0114				1141 (7212)
	814 R-747	2	1142	0101				1141 (7212)
	842 DC-8-20	157	1154	0113				1141 (7212)
	848 DC-8-50	60	1153	0111				1141 (7212)
	850 DC-8-50F	84	1149	0104				1141 (7212)
	851 DC-8-61	127	1150	0113				1141 (7212)
	854 DC-8-62	14	1155	0114				1141 (7212)
	TOTAL	2205	1155	0114				
ROUTE SUMMARY		5214	1154	0113	10	1147	0105	

---ALL TIMES ARE IN HOURS AND MINUTES---

TABLE I-4-6

SEGMENT JFK → MIA
STAGE LENGTH = 1000 ST. MILES

AIRBORNE DELAYS DURING 1975
CATEGORIZED BY ROUTE SEGMENT, AIRLINE AND EQUIPMENT TYPE

AIRLINE	AIRCRAFT	-----BUSY (0700-2259)-----			-----DULL (2300-0659)-----			NOMINAL TIME (DATE)
		FLIGHTS	AVG AIR TIME	AVG AIR DELAY	FLIGHTS	AVG AIR TIME	AVG AIR DELAY	
RN	47	2127	0114					2114 (7209)
	854	2129	0116					2114 (7209)
	TOTAL	255	2129	0115				
DL	640	2132	0118					2114 (7209)
	715	2121	0108					2114 (7209)
	760	2115	0102					2114 (7209)
	816	2134	0121					2114 (7209)
	848	2122	0108					2114 (7209)
	TOTAL	621	2122	0108				
FA	640	2135	0121					2114 (7209)
	710	2126	0113					2114 (7209)
	711	2128	0114					2114 (7209)
	715	2122	0108					2114 (7209)
	760	2123	0109					2114 (7209)
	TOTAL	1488	2124	0111				
NA	710	2118	0104					2114 (7209)
	715	2124	0113					2114 (7209)
	730	2123	0110					2114 (7209)
	732	2124	0111					2114 (7209)
	816	2123	0110					2114 (7209)
	851	2129	0116					2114 (7209)
PA	TOTAL	443	2122	0109				
	809	2123	0109					2114 (7209)
	812	2125	0112					
	815	2127	0117					

---ALL TIMES ARE IN HOURS AND MINUTES---

APPROXIMATE PLAYS MISSING 1075
CROSSING BY ROUTE SEGMENT, AIRLINE AND EQUIPMENT TYPE

SECRETED 1988 MAR 24 (CONTINUED)

-----ROUTINE		-----BUSY (0700-2200)-----		-----OHL		----- (2300-0600)-----		-----		NOMINAL TIME
FLIGHTS	AVG ALT	AVG ALT	AVG ALT	FLIGHTS	AVG ALT	AVG ALT	AVG ALT	FLIGHTS	AVG ALT	(DATE)
30	2122	0104								
31	2122	0104		35	2125	0112				
TOTAL										
2434	2120	0110		276	2118	0105				
----- ROUTE SUMMARY -----										

---SALINIA CURVE SLOPE IN STALL 11---

TABLE I-4-7

ALBANY DELAYS DURING 1975
CATEGORIZED BY ROUTE SEGMENT, AIRLINE AND EQUIPMENT TYPE

SEGMENT LAX -> SFO
STAGE LENGTH = 337 ST. MILES

AIRLINE	AIRCRAFT	-----BUSY (0700-2259)-----			-----DULL (2300-0659)-----			NOMINAL TIME (DATE)	
		#FLIGHTS	AVG AIR TIME	AVG AIR DELAY	#FLIGHTS	AVG AIR TIME	AVG AIR DELAY		
AA	808 R-707-300R	1	0147	0101				0146 (7204)	
	809 R-707-300C	297	0151	0105	66	1103	0117	0146 (7204)	
	TOTAL	298	0151	0105	66	1103	0117		
RN	848 DC-8-50				1	0148	0102	0146 (7204)	
	854 DC-8-62	144	0153	0107	12	0149	0103	0146 (7204)	
	TOTAL	144	0153	0107	13	0149	0103		
DL	848 DC-8-50	1	0143	-0103				0146 (7204)	
	851 DC-8-61	354	0151	0105	60	0150	0104	0146 (7204)	
	TOTAL	354	0151	0105	60	0150	0104		
NW	710 R-727-100	1	0153	0107				0146 (7204)	
	715 R-727-200	1	0155	0109				0146 (7204)	
	733 DC10-40	1	0151	0105				0146 (7204)	
	816 R-747	330	0153	0107				0146 (7204)	
	TOTAL	333	0153	0107					
PA	808 R-707-300R	193	0153	0107				0146 (7204)	
	809 R-707-300C	54	0155	0109	70	0152	0105	0146 (7204)	
	816 R-747	702	0153	0107				0146 (7204)	
	TOTAL	953	0153	0107	70	0152	0105		
SW	630 DC-9-10	515	0153	0107				0146 (7204)	

---ALL TIMES ARE IN HOURS AND MINUTES---

TABLE I-4-7 (CONTINUED)

AIRBORNE DELAYS DURING 1975
CATEGORIZED BY ROUTE SEGMENT, AIRLINE AND EQUIPMENT TYPE

SEGMENT LAX 220 SFO (CONTINUED)
STAGE LENGTH = 337 ST. MILES

AIRLINE	AIRCRAFT	-----BUSY (0700-2259)----- #FLIGHTS AVG AIR TIME DELAY	-----IDLE (2300-0659)----- #FLIGHTS AVG AIR TIME DELAY	NOMINAL TIME (DATE)
BM (CONT)	640 DC-9-30	651 0154 0108		0146 (7204)
	TOTAL	1166 0154 0108		
TM	710 R-727-100	28 0150 0104	1 0150 0104	0146 (7204)
	711 R-727-100C/DC	11 0150 0104	1 0152 0106	0146 (7204)
	715 R-727-200	2 0148 0102	113 0151 0105	0146 (7204)
	760 1011	213 0149 0104	1 0149 0103	0146 (7204)
	802 R-707-100A	708 0152 0104	31 0150 0104	0146 (7204)
	806 R-707-100	75 0152 0106	19 0152 0106	0146 (7204)
	808 R-707-300A	246 0153 0107	192 0150 0104	0146 (7204)
	809 R-707-300C	250 0152 0106	19 0151 0105	0146 (7204)
	816 R-747	213 0153 0107		0146 (7204)
	TOTAL	1786 0152 0106	377 0151 0105	
UA	620 R-737-200	866 0150 0108		0146 (7204)
	710 R-727-100	2462 0152 0105		0146 (7204)
	711 R-727-100C/DC	332 0152 0106		0146 (7204)
	715 R-727-200	64 0152 0106		0146 (7204)
	730 DC-10-10	10 0159 0113		0146 (7204)
	816 R-747	8 0153 0107	1 0150 0104	0146 (7204)
	842 DC-8-20	275 0152 0106	1 0156 0110	0146 (7204)
	848 DC-8-50	136 0151 0105		0146 (7204)
	850 DC-8-50F	141 0153 0107		0146 (7204)
	851 DC-8-61	510 0153 0107	36 0152 0106	0146 (7204)
	854 DC-8-62	61 0151 0105	1 0151 0105	0146 (7204)
	TOTAL	4907 0152 0106	39 0152 0106	
WA	620 R-737-200			0146 (7204)
	715 R-727-200	1057 0153 0107	1 0152 0106	0146 (7204)
	730 DC-10-10	753 0150 0104	713 0149 0103	0146 (7204)

---ALL TIMES ARE IN HOURS AND MINUTES---

TABLE I-4-7 (CONTINUED)

AIRBORNE DELAYS DURING 1975 CATEGORIZED BY ROUTE SEGMENT, AIRLINE AND EQUIPMENT TYPE									
SEGMENT LAY 800 800 (CONTINUED) STAGE LENGTH = 337 ST. MILES									
AIRLINE	AIRCRAFT	-----HUSV (0700-2259)-----			-----DUL (2300-0659)-----			NOMINAL TIME (DATE)	
		#FLIGHTS	AVG AIR TIME	AVG AIR DELAY	#FLIGHTS	AVG AIR TIME	AVG AIR DELAY		
WA (CONT)	809 B-707-300C	105	0153	0107				0146	(7204)
	814 B-720-000R	693	0151	0105	1	0148	0102	0146	(7204)
	TOTAL	2640	0152	0106	715	0149	0103		
ROUTE SUMMARY		12595	0152	0106	1340	0150	0104		

---ALL TIMES ARE IN HOURS AND MINUTES---

TABLE I-4-8

SEGMENT LGA >>> RDS
STAGE LENGTH = 145 ST. MILES

AIRBORNE DELAYS DURING 1975

CATEGORIZED BY ROUTE SEGMENT, AIRLINE AND EQUIPMENT TYPE

AIRLINE	AIRCRAFT	-----BUSY (0700-2259)-----			-----DULL (2300-0659)-----			NOMINAL TIME
		FLIGHTS	AVG AIR TIME	DELAY	FLIGHTS	AVG AIR TIME	DELAY	(DATE)
AA	710 R-727-100	1071	0134	0100				0126 (7212)
	715 R-727-200	545	0135	0100				0126 (7212)
	730 DC-10-10	142	0134	0107				0126 (7212)
	TOTAL	1800	0134	0100				
DL	640 DC-9-30	57	0134	0110				0126 (7212)
	715 R-727-200	244	0134	0107				0126 (7212)
	TOTAL	301	0134	0100				
FA	550 L-1011A-00/100C	3099	0141	0105				0135 (7201)
	640 DC-9-30	4056	0134	0100				0126 (7212)
	710 R-727-100	67	0135	0109				0126 (7212)
	711 R-727-100C/OC	43	0137	0110				0126 (7212)
	715 R-727-200	101	0136	0110				0126 (7212)
	760 L-1011	22	0136	0110				0126 (7212)
	TOTAL	8288	0137	0107				
TM	630 DC-9-10	142	0130	0100				0126 (7212)
	710 R-727-100	1	0134	0100				0126 (7212)
	TOTAL	143	0134	0100				
ROUTE SUMMARY		10532	0136	0107				

---ALL TIMES ARE IN HOURS AND MINUTES---

TABLE I-4-9

ALPHABETICALLY BY ROUTE SEGMENT, AIRLINE AND EQUIPMENT TYPE

SEGMENT ORIGIN AND DESTINATION									
STAGE LENGTH = 250 ST. MILES									
AIRLINE	AIRCRAFT	FLIGHTS	AVG AIR TIME	AVG AIR DELAY	FLIGHTS	AVG AIR TIME	AVG AIR DELAY	FLIGHTS	NOMINAL TIME (DATE)
-----BUSY (0700-2259)-----									
AA	710 R-727-100	207	0145	0107					0130 (7205)
	715 R-727-200	305	0146	0108					0130 (7205)
	730 DC-8-10	1	0140	0101					0130 (7205)
	802 R-707-100R	241	0145	0106					0130 (7205)
	808 R-707-100R	33	0144	0105					0130 (7205)
	809 R-707-100C	45	0144	0107					0130 (7205)
	TOTAL	832	0145	0107					
-----DUI L (2300-0459)-----									
DL	640 DC-8-30	2450	0145	0107					0130 (7205)
	710 R-727-100	1	0139	0100					0130 (7205)
	715 R-727-200	321	0144	0104					0130 (7205)
	808 DC-8-50	60	0144	0107					0130 (7205)
	TOTAL	3232	0145	0107					
-----DUI L (2300-0459)-----									
NZ	450 F4-227	3	1131	0124					1105 (7212)
	630 DC-8-10	298	0147	0108	7	0144	0104		0130 (7205)
	640 DC-8-30	1633	0147	0108	36	0145	0107		0130 (7205)
	TOTAL	1934	0147	0108	43	0145	0107		
ROUTE SUMMARY									
		5098	0144	0107	43	0145	0107		

---ALL TIMES ARE IN HOURS AND MINUTES---

TABLE I-4-10

AIRCRAFT DELAYS DURING 1975
CATEGORIZED BY ROUTE SEGMENT, AIRLINE AND EQUIPMENT TYPE

SEGMENT: SEA AND SEA
STAGE LENGTH = 678 ST. MILES

AIRLINE	AIRCRAFT	-----BUSY (0700-2259)-----			-----IDLE (2300-0659)-----			NOMINAL TIME (DATE)
		FLIGHTS	AVG. ATD TIME	AVG. AID DELAY	FLIGHTS	AVG. ATD TIME	AVG. AID DELAY	
PA	808 R-707-100R	65	1135	0111				1124 (7206)
	816 R-747	178	1124	0104				1124 (7206)
	TOTAL	243	1130	0106				
UA	620 R-737-200	5	1130	0116				1124 (7206)
	710 R-727-100	1361	1130	0107				1124 (7206)
	711 R-727-100C/QC	409	1132	0104	208	1129	0105	1124 (7206)
	715 R-727-200	87	1131	0104	7	1128	0104	1124 (7206)
	730 DC-10-10	79	1126	0102	5	1125	0101	1124 (7206)
	842 DC-8-20	396	1132	0104	30	1128	0104	1124 (7206)
	848 DC-8-50	175	1131	0104	13	1126	0102	1124 (7206)
	850 DC-8-50F	21	1133	0104				1124 (7206)
	851 DC-8-61	19	1131	0104	1	1126	0102	1124 (7206)
	854 DC-8-62	2	1129	0105	1	1120	-0104	1124 (7206)
	TOTAL	2552	1131	0107	265	1128	0105	
WA	620 R-737-200	1173	1134	0111				1124 (7206)
	715 R-727-200	604	1128	0105	356	1127	0104	1124 (7206)
	814 R-720-000S	59	1131	0107	1	1125	0101	1124 (7206)
	TOTAL	1836	1132	0108	357	1127	0104	
ROUTE SUMMARY		4631	1131	0108	622	1128	0104	

---ALL TIMES ARE IN HOURS AND MINUTES---

TABLE I-5-1

AIRBORNE DELAYS DURING 1970 AND 1975
CATEGORIZED BY ROUTE SEGMENT, AIRLINE AND EQUIPMENT TYPE

SEGMENT ATL AND DEN
STAGE LENGTH = 731 ST. MILES

AIRLINE	AIRCRAFT	-----1970-----		-----1975-----		TOTAL #FLIGHTS	CHANGE IN AVG AIR DELAY	NOMINAL TIME (DATE)
		#FLIGHTS	AVG AIR DELAY	#FLIGHTS	AVG AIR DELAY			
DL	640 DC-8-40	5	0111	137	-0100	142	-0111	1135 (7400)
	710 B-727-100	1	0106			1		1135 (7400)
	715 B-727-200	302	0101	106	0106	408	0105	1135 (7400)
	760 L-1011	342	0111	620	0104	962	-0107	1135 (7400)
	A16 B-747	561	0104	315	0106	876	0104	1135 (7400)
	444 DC-8-50	785	0108	910	0108	1695	-0100	1135 (7400)
TOTAL	A51 DC-8-61	145	0111	350	0108	504	-0103	1135 (7400)
		2141	0107	2407	0106	4628	-0100	
EA	630 DC-8-10	118	0108	1	0103	119	-0104	1135 (7400)
	640 DC-8-30	307	0113	1068	0113	1465	0100	1135 (7400)
	710 B-727-100	241	0106	210	0110	451	0104	1135 (7400)
	711 B-727-100C/DC	155	0108	73	0107	228	0102	1135 (7400)
	715 B-727-200	155	0104	3	0111	158	0107	1135 (7400)
TOTAL		1066	0108	1355	0112	2421	0104	
ROUTE SUMMARY		3207	0107	3042	0108	7049	0101	

-----ALL TIMES ARE IN HOURS AND MINUTES-----

TABLE I-5-2

ALBRONE DELAYS DURING 1974 AND 1975
CATEGORIZED BY ROUTE SEGMENT, AIRLINE AND EQUIPMENT TYPE

REGIMENT RQS AND PHL STAGE LENGTH = 260 ST. MILES		-----1974-----				-----1975-----				NOMINAL TIME (DATE)	
AIRLINE	AIRCRAFT	#FLIGHTS	AVG AIR DELAY	#FLIGHTS	AVG AIR DELAY	#FLIGHTS	AVG AIR DELAY	TOTAL #FLIGHTS	CHANGE IN AVG AIR DELAY		
AA	710 R-727-100	1	0118	1	0120	2	0102	2	0102	0142 (7210)	
	715 R-727-200	75	0112	7	0110	82	-0102	82	-0102	0142 (7210)	
	730 DC-10-10	121	0112	179	0113	309	0100	309	0100	0142 (7210)	
	802 R-707-100R	330	0113	33	0109	65	-0102	65	-0102	0142 (7210)	
	808 R-707-300R	52	0111	76	0112	128	-0101	128	-0101	0142 (7210)	
	809 R-707-300C	70	0113	296	0113	366	-0100	366	-0100		
TOTAL		429	0113	296	0113	725		725			
AL	430 CV-580	23	-0109	2	-0109	25	-0100	25	-0100	1124 (7204)	
	405 R-1-11-200	1828	0117	317	0119	2145	0102	2145	0102	0142 (7210)	
	440 DC-9-30	2241	0114	2462	0113	5103	-0101	5103	-0101	0142 (7210)	
	450 MISCELLANEOUS			54	0115	54		54		0142 (7210)	
	TOTAL	4092	0115	3235	0113	7327	-0102	7327	-0102		
DL	640 DC-9-30	902	0115	679	0113	1581	-0101	1581	-0101	0142 (7210)	
	710 R-727-100			199	0110	199		199		0142 (7210)	
	715 R-727-200	1064	0112	931	0112	1995	-0100	1995	-0100	0142 (7210)	
	844 DC-9-40			207	0112	207		207		0142 (7210)	
	851 DC-9-41			1	0110	1		1		0142 (7210)	
	TOTAL	1966	0113	2017	0112	3983	-0101	3983	-0101		
EA	710 R-727-100	104	0115	206	0114	310	-0101	310	-0101	0142 (7210)	
	711 R-727-100C/OC	61	0114	123	0111	184	-0103	184	-0103	0142 (7210)	
	715 R-727-200	14	0113	9	0111	23	-0102	23	-0102	0142 (7210)	
	TOTAL	179	0114	334	0113	517	-0102	517	-0102		
PA	808 R-707-300R	101	0117			101		101		0142 (7210)	
	809 R-707-300C	41	0114			41		41		0142 (7210)	
	TOTAL	142	0117			142		142			
TH	809 R-707-300C			123	0110	123		123		0142 (7210)	
	TOTAL			123	0110	123		123			

-----ALL TIMES ARE IN HOURS AND MINUTES-----

TABLE I-5-2 (CONTINUED)

AIRBORNE DELAYS DURING 1974 AND 1975						
CATEGORIZED BY ROUTE SEGMENT, AIRLINE AND EQUIPMENT TYPE						
SEGMENT NOS 225 PHL (CONTINUED)						
STAGE LENGTH = 280 ST. MILES						
AIRLINE	AIRCRAFT	-----1974----- #FLIGHTS	AVG AIR DELAY	-----1975----- #FLIGHTS	AVG AIR DELAY	TOTAL #FLIGHTS
						CHANGE IN AVG AIR DELAY
						NOMINAL TIME (DATE)
TOTAL						
		123	0:10	123	0:10	123
ROUTE SUMMARY						
		600	0:15	609	0:13	1209
						-0:02

-----ALL TIMES ARE IN HOURS AND MINUTES-----

TABLE I-5-3

AIRBORNE DELAYS DURING 1974 AND 1975
CATEGORIZED BY ROUTE SEGMENT, AIRLINE AND EQUIPMENT TYPE

SEGMENT CLF > DTM STAGE LENGTH > 94 ST. MILES		1974				1975				TOTAL #FLIGHTS	CHANGE IN AVG AIR DELAY	MINUTAL TIME (DATE)
AIRLINE	AIRCRAFT	#FLIGHTS	AVG AIR DELAY	1974	1975	#FLIGHTS	AVG AIR DELAY	1975	1976			
AL	605 B-11-200	26	0108			30	0105			26		0118 (7202)
	640 DC-9-30					30	0105			30		0118 (7202)
	TOTAL	26	0108			30	0105			56	-0102	
DL	640 DC-9-30	337	0102			360	0103			697	0101	0118 (7202)
	TOTAL	337	0102			360	0103			697	0101	
EA	630 DC-9-10					20	0106			20		0118 (7202)
	640 DC-9-30	34	0107			140	0106			140		0118 (7202)
	710 B-727-100	8	0108			8				34		0118 (7202)
	711 B-727-100C/DC					160	0106			6		0118 (7202)
	TOTAL	42	0107			160	0106			202	-0101	
MC	430 CV-580	1409	0104			2084	0104			3493	0100	0124 (7209)
	640 DC-9-30	542	0106			715	0106			1257	0100	0118 (7202)
	TOTAL	1951	0104			2799	0104			4750	0100	
NW	710 B-727-100	299	0106			3	0109			299		0118 (7202)
	715 B-727-200	121	0106			76	0107			124	0103	0118 (7202)
	710 B-727-100					217	0107			217		0118 (7202)
	715 B-727-200					296	0107			716	0101	0118 (7202)
	TOTAL	420	0106			296	0107			323	0100	0118 (7202)
UA	430 DC-8-50F	162	0105			161	0105			323	0100	
	TOTAL	162	0105			161	0105			323	0100	
ROUTE SUMMARY		2938	0104			3806	0105			6744	0100	

-----ALL TIMES ARE IN HOURS AND MINUTES-----

TABLE I-5-4

AIRBORNE DELAYS DURING 1974 AND 1975
CATEGORIZED BY ROUTE SEGMENT, AIRLINE AND EQUIPMENT TYPE

SEGMENT OCA AND ORD
STAGE LENGTH = 612 ST. MILES

AIRLINE	AIRCRAFT	-----1974-----			-----1975-----			TOTAL #FLIGHTS	CHANGE IN AVG AIR DELAY	NOMINAL TIME (DATE)
		#FLIGHTS	AVG AIR DELAY		#FLIGHTS	AVG AIR DELAY				
AA	710 B-727-100	2005	0:23		1924	0:21		3929	-0:02	1122 (7207)
	715 B-727-200	1039	0:21		1125	0:19		2164	-0:02	1122 (7207)
	TOTAL	3044	0:22		3049	0:20		6093	-0:02	
TM	710 B-727-100	344	0:17		433	0:17		777	0:01	1122 (7207)
	711 B-727-100C/QC	105	0:17		131	0:16		236	-0:01	1122 (7207)
	715 B-727-200	974	0:23		1818	0:18		2792	-0:05	1122 (7207)
	TOTAL	1423	0:21		2382	0:18		3805	-0:03	
UA	420 B-737-200	213	0:22		368	0:21		581	-0:01	1122 (7207)
	710 B-727-100	422	0:25		761	0:17		1183	-0:04	1122 (7207)
	711 B-727-100C/QC	162	0:19		133	0:13		295	-0:07	1122 (7207)
	715 B-727-200	987	0:23		1391	0:20		2378	-0:03	1122 (7207)
	TOTAL	1784	0:23		2653	0:19		4437	-0:04	
ROUTE SUMMARY		6251	0:22		8084	0:19		14335	-0:03	

-----ALL TIMES ARE IN HOURS AND MINUTES-----

TABLE I-5-5

AIROPLANE DELAYS DURING 1974 AND 1975
CATEGORIZED BY ROUTE SEGMENT, AIRLINE AND EQUIPMENT TYPE

SEGMENT DEN ==> ORR STAGE LENGTH = 900 ST. MILES											
AIRLINE	AIRCRAFT	-----1974-----		-----1975-----		TOTAL		CHANGE IN		NOMINAL TIME	
		FLIGHTS	AVG AIR DELAY	FLIGHTS	AVG AIR DELAY	FLIGHTS	AVG AIR DELAY	AVG AIR DELAY		(DATE)	
CO	715 A-727-200	724	0:14	552	0:11	1280	-0:02	-0:02	1141	(7212)	
	730 DC-10-10	774	0:12	790	0:10	1564	-0:02	-0:02	1141	(7212)	
	814 B-720-000R	26	0:14	5	0:19	31	0:16	0:16	1141	(7212)	
	TOTAL	1524	0:13	1347	0:11	2875	-0:02	-0:02			
TW	710 B-727-100	150	0:14	474	0:15	632	0:01	0:01	1141	(7212)	
	711 A-727-100C/OC	43	0:13	135	0:15	178	0:02	0:02	1141	(7212)	
	715 A-727-200	400	0:13	304	0:13	704	-0:06	-0:06	1141	(7212)	
	802 A-707-100R	342	0:14	574	0:10	920	-0:05	-0:05	1141	(7212)	
	806 A-707-300	22	0:10	37	0:11	59	0:00	0:00	1141	(7212)	
	808 A-707-300R	52	0:16	131	0:12	185	-0:04	-0:04	1141	(7212)	
	809 A-707-300C	4	0:17	5	0:05	9	-0:12	-0:12	1141	(7212)	
	825 CV-880	167	0:09			167			1141	(7212)	
	TOTAL	1184	0:16	1674	0:13	2858	-0:03	-0:03			
UA	620 B-737-200	5	0:27	45	0:21	50	-0:06	-0:06	1141	(7212)	
	710 A-727-100	344	0:14	441	0:17	787	0:00	0:00	1141	(7212)	
	711 B-727-100C/OC	41	0:14	67	0:14	108	0:04	0:04	1141	(7212)	
	715 A-727-200	39	0:13	42	0:11	81	-0:02	-0:02	1141	(7212)	
	730 DC-10-10	590	0:19	960	0:14	1550	-0:05	-0:05	1141	(7212)	
	A1A A-747	27	0:19	2	0:01	29	-0:14	-0:14	1141	(7212)	
	A42 DC-8-20	74	0:15	157	0:13	235	-0:02	-0:02	1141	(7212)	
	A44 DC-8-30	11	0:20	60	0:11	71	-0:02	-0:02	1141	(7212)	
	A44 DC-8-50	36	0:14	86	0:04	122	-0:04	-0:04	1141	(7212)	
	A50 DC-8-50F	174	0:17	327	0:13	501	-0:04	-0:04	1141	(7212)	
	A51 DC-8-41	34	0:09	14	0:14	48	0:05	0:05	1141	(7212)	
	A54 DC-8-62										
	TOTAL	1381	0:17	2205	0:14	3586	-0:03	-0:03			
ROUTE SUMMARY		4093	0:15	5226	0:13	9319	-0:02	-0:02			

-----ALL TIMES ARE IN HOURS AND MINUTES-----

TABLE I-5-6

AIRBORNE DELAYS DURING 1974 AND 1975
CATEGORIZED BY ROUTE SEGMENT, AIRLINE AND EQUIPMENT TYPE

SEGMENT JFK => MIA STAGF LENGTH = 1090 ST. MILES		-----1974-----				-----1975-----				TOTAL #FLIGHTS	CHANGE IN AVG AIR DELAY	NOMINAL TIME (DATE)
AIRLINE	AIRCRAFT	#FLIGHTS	AVG AIR DELAY			#FLIGHTS	AVG AIR DELAY					
BN	848 DC-8-50	14	0118			47	0114			63	-0105	2114 (7209)
	854 DC-8-62	281	0115			208	0116			489	0100	2114 (7209)
	TOTAL	297	0116			255	0115			552	-0100	
DL	640 DC-8-30					2	0118			2		2114 (7209)
	715 R-727-200	415	0103			245	0108			660	0105	2114 (7209)
	730 DC-10-10	106	0117							106		2114 (7209)
	760 L-1011	3	0114			5	0102			8	-0112	2114 (7209)
	A16 R-747					2	0121			2		2114 (7209)
	848 DC-8-50	156	0111			367	0108			523	-0103	2114 (7209)
EA	851 DC-8-61	5	0125							5		2114 (7209)
	TOTAL	685	0107			621	0108			1306	0101	
NA	640 DC-8-30	15	0126			18	0121			33	-0105	2114 (7209)
	710 R-727-100	184	0112			376	0113			560	0101	2114 (7209)
	711 R-727-100C/DC	450	0109			194	0114			644	0105	2114 (7209)
	715 R-727-200	298	0111			351	0108			649	-0103	2114 (7209)
	760 L-1011	485	0109			549	0109			1034	-0100	2114 (7209)
	TOTAL	1432	0110			1488	0111			2920	0100	
PA	710 R-727-100	8	0106			126	0104			134	-0102	2114 (7209)
	715 R-727-200	200	0105			333	0106			533	0101	2114 (7209)
	730 DC-10-10	87	0108			121	0110			208	0101	2114 (7209)
	732 DC-10-30	51	0109			7	0108			58	-0101	2114 (7209)
	A16 R-747	98	0112			95	0110			193	-0102	2114 (7209)
	842 DC-8-20	56	0113							56		2114 (7209)
	850 DC-8-50F	18	0119							18		2114 (7209)
	851 DC-8-61	18	0114			2	0116			20	0102	2114 (7209)
	TOTAL	536	0109			684	0107			1220	-0102	
	710 R-727-100	4	0108							4		2114 (7209)
PA	808 R-707-300R	17	0112			36	0112			17		2114 (7209)
	809 R-707-300C	5	0116			30	0108			41	-0105	2114 (7209)
	A16 R-747									30		2114 (7209)

-----ALL TIMES ARE IN HOURS AND MINUTES-----

TABLE I-5-6 (CONTINUED)

AIRBORNE DELAYS DURING 1974 AND 1975
CATEGORIZED BY ROUTE SEGMENT, AIRLINE AND EQUIPMENT TYPE

SEGMENT JEN 220 MIA (CONTINUED) STAGE LENGTH = 1000 ST. MILES													
AIRLINE	AIRCRAFT	-----1974-----		-----1975-----		TOTAL		CHANGE IN		NOMINAL TIME			
		#FLIGHTS	AVG AIR DELAY	#FLIGHTS	AVG AIR DELAY	#FLIGHTS		#FLIGHTS	AVG AIR DELAY				(DATE)
	TOTAL	26	0:12	66	0:10	92		92	-0:02				
ROUTE SUMMARY		2976	0:10	3114	0:10	6090		6090	-0:00				

-----ALL TIMES ARE IN HOURS AND MINUTES-----

TABLE I-5-7

ALPHABETIC DELAYS DURING 1974 AND 1975
CATEGORIZED BY ROUTE SEGMENT, AIRLINE AND EQUIPMENT TYPE

SEGMENT (AX = 200 SEC STAGE LENGTH = 337 ST. MILES)		1974				1975				TOTAL #FLIGHTS	CHANGE IN AVG A/D DELAY	NOMINAL TIME (DATE)
AIRLINE	AIRCRAFT	#FLIGHTS	AVG A/D DELAY			#FLIGHTS	AVG A/D DELAY					
AA	R0R H-707-500R	391	0:05			363	0:07			754	0:02	0:46 (7204)
	R0Q H-707-500C											0:46 (7204)
	TOTAL	391	0:05			363	0:07			755	0:02	
HN	R4R DC-8-50	151	0:07			154	0:07			307	-0:00	0:46 (7204)
	R54 DC-8-62											0:46 (7204)
	TOTAL	151	0:07			157	0:06			308	-0:00	
DL	R4R DC-8-50	11	0:08			1	-0:03			12	-0:11	0:46 (7204)
	R51 DC-8-61	386	0:01			418	0:05			804	0:04	0:46 (7204)
	TOTAL	397	0:01			419	0:05			816	0:04	
NW	710 R-727-100					1	0:07			1		0:46 (7204)
	715 R-727-200					1	0:09			1		0:46 (7204)
	733 DC10-40					1	0:05			1		0:46 (7204)
	R1A R-747	88	0:07			330	0:07			418	0:00	0:46 (7204)
	TOTAL	88	0:07			333	0:07			421	0:00	
PA	R0R H-707-300R	129	0:06			193	0:07			322	0:02	0:46 (7204)
	R0Q H-707-100C	180	0:07			128	0:07			317	0:00	0:46 (7204)
	R16 H-747	553	0:06			702	0:07			1255	0:01	0:46 (7204)
	TOTAL	871	0:06			1023	0:07			1894	0:01	
QM	650 DC-9-10	255	0:06			515	0:07			770	0:01	0:46 (7204)
	640 DC-9-30	425	0:07			651	0:06			1074	0:01	0:46 (7204)
	TOTAL	678	0:07			1166	0:08			1844	0:01	
TM	710 H-727-100	60	0:04			29	0:04			89	-0:00	0:46 (7204)
	711 R-727-100C/DC	16	0:03			12	0:04			28	0:01	0:46 (7204)
	715 R-727-200	206	0:06			115	0:05			321	-0:01	0:46 (7204)

-----ALL TIMES ARE IN HOURS AND MINUTES-----

TABLE I-5-7 (CONTINUED)

AIRBORNE DELAYS DURING 1974 AND 1975
CATEGORIZED BY ROUTE SEGMENT, AIRLINE AND EQUIPMENT TYPE

SEGMENT (AX) ==> SFO (CONTINUED)
STAGE LENGTH = 337 ST. MILES

AIRLINE	AIRCRAFT	-----1974----- #FLIGHTS	AVG AIR DELAY	-----1975----- #FLIGHTS	AVG AIR DELAY	TOTAL #FLIGHTS	CHANGE IN AVG AIR DELAY	NOMINAL TIME (DATE)
TM (CONT)	760 L-1011	177	01:04	214	01:03	391	-01:00	01:46 (7204)
	802 A-707-100R	680	01:05	779	01:06	1459	01:01	01:46 (7204)
	806 A-707-100	35	01:05	98	01:06	129	01:01	01:46 (7204)
	808 A-707-300R	445	01:05	436	01:06	881	01:01	01:46 (7204)
	809 A-707-300C	510	01:06	269	01:06	779	01:00	01:46 (7204)
	816 A-747	186	01:06	213	01:07	399	01:01	01:46 (7204)
TOTAL		2324	01:05	2163	01:06	4487	01:00	
UA	620 A-737-200	694	01:08	866	01:08	1560	01:00	01:46 (7204)
	710 A-727-100	163A	01:05	2462	01:05	4094	01:00	01:46 (7204)
	711 A-727-100C/DC	482	01:06	532	01:06	1014	-01:00	01:46 (7204)
	715 A-727-200	134	01:05	64	01:06	200	01:01	01:46 (7204)
	730 DC-10-10	5	01:06	10	01:13	15	01:07	01:46 (7204)
	816 B-747	3	01:08	9	01:07	12	-01:02	01:46 (7204)
	842 DC-8-20	187	01:06	276	01:06	463	01:00	01:46 (7204)
	844 DC-8-40	15	01:08	136	01:05	151	01:01	01:46 (7204)
	848 DC-8-50	53	01:04	181	01:07	234	01:01	01:46 (7204)
	850 DC-8-50F	164	01:06	546	01:07	710	01:01	01:46 (7204)
WA	851 DC-8-61	122	01:06	62	01:05	184	-01:00	01:46 (7204)
	854 DC-8-62	88	01:05	62	01:05	150	01:00	01:46 (7204)
	TOTAL	3583	01:06	4946	01:06	8529	01:00	
	620 A-737-200	807	01:06	1058	01:07	1865	01:01	01:46 (7204)
	715 A-727-200	542	01:04	1466	01:04	2008	-01:00	01:46 (7204)
TOTAL	730 DC-10-10	1	01:03	1	01:06	2	01:03	01:46 (7204)
	809 A-707-100C	39	01:04	145	01:07	184	01:03	01:46 (7204)
	814 A-720-000R	192	01:04	690	01:05	882	01:01	01:46 (7204)
	TOTAL	1581	01:05	3364	01:05	4945	01:00	
ROUTE SUMMARY		10064	01:06	13935	01:06	23999	01:01	

-----ALL TIMES ARE IN HOURS AND MINUTES-----

TABLE I-5-8

AIRBORNE DELAYS DURING 1974 AND 1975
CATEGORIZED BY ROUTE SEGMENT, AIRLINE AND EQUIPMENT TYPE

SEGMENT LGA #22 ROS STAGE LENGTH = 145 ST. MILES		-----1974-----				-----1975-----				TOTAL #FLIGHTS	CHANGE IN AVG AIR DELAY	NOMINAL TIME (DATE)
AIRLINE	AIRCRAFT	#FLIGHTS	AVG AIR DELAY	#FLIGHTS	AVG AIR DELAY	#FLIGHTS	AVG AIR DELAY	#FLIGHTS	AVG AIR DELAY			
AA	710 B-727-100	862	0:07	1071	0:08	1933	0:01	0:26 (7212)				
	715 B-727-200	941	0:06	585	0:08	1426	0:02	0:26 (7212)				
	730 DC-10-10	109	0:10	144	0:07	253	-0:02	0:26 (7212)				
	TOTAL	1812	0:07	1800	0:08	3612	0:01					
DL	640 DC-9-30	211	0:02	57	0:10	268	0:08	0:26 (7212)				
	715 B-727-200	211	0:02	244	0:07	244		0:26 (7212)				
FA	TOTAL	211	0:02	301	0:08	512	0:06					
	550 L-188A-08/18AC	2764	0:05	3099	0:05	5865	0:01	0:35 (7201)				
	640 DC-9-30	5720	0:07	4554	0:08	10676	0:01	0:26 (7212)				
	710 B-727-100	84	0:07	67	0:09	155	0:02	0:26 (7212)				
	711 B-727-100C/DC	26	0:06	43	0:10	69	0:04	0:26 (7212)				
	715 B-727-200	163	0:09	101	0:10	264	0:01	0:26 (7212)				
	760 L-1011			22	0:10	22		0:26 (7212)				
TN	TOTAL	4763	0:07	4244	0:07	17051	0:01					
	630 DC-9-10							0:26 (7212)				
	710 B-727-100							0:26 (7212)				
ROUTE SUMMARY		10786	0:07	10532	0:07	21318	0:01					

-----ALL TIMES ARE IN HOURS AND MINUTES-----

TABLE I-5-9

AIRBORNE DELAYS DURING 1974 AND 1975
CATEGORIZED BY ROUTE SEGMENT, AIRLINE AND EQUIPMENT TYPE

SEGMENT ORIGIN AND STAGE LENGTH = 250 ST. MILE		-----1974-----				-----1975-----				TOTAL CHANGE IN		NOMINAL TIME (DATE)
AIRLINE	AIRCRAFT	FLIGHTS	AVG AIR DELAY	FLIGHTS	AVG AIR DELAY	FLIGHTS	AVG AIR DELAY	FLIGHTS	AVG AIR DELAY	FLIGHTS	AVG AIR DELAY	
AA	710 R-727-100	248	0106	207	0107	455	0101	455	0101	455	0101	0138 (7205)
	715 R-727-200	119	0106	305	0108	424	0102	424	0102	424	0102	0138 (7205)
	730 DC-10-10	652	0106	1	0101	1	-0100	653	-0100	653	-0100	0138 (7205)
	802 R-707-100R	38	0106	33	0105	71	-0101	71	-0101	71	-0101	0138 (7205)
	809 R-707-100C	57	0108	45	0107	102	-0101	102	-0101	102	-0101	0138 (7205)
TOTAL		1114	0106	832	0107	1946	0101	1946	0101	1946	0101	
DL	640 DC-9-30	2612	0104	2450	0107	5462	0103	5462	0103	5462	0103	0138 (7205)
	710 R-727-100	114	0104	1	0100	115	-0103	115	-0103	115	-0103	0138 (7205)
	715 R-727-200	292	0101	321	0106	613	0104	613	0104	613	0104	0138 (7205)
	844 DC-8-30	2	0108	60	0107	62	0103	62	0103	62	0103	0138 (7205)
	846 DC-8-50	2	0104	3232	0107	6254	0103	6254	0103	6254	0103	0138 (7205)
TOTAL		3022	0103	3232	0107	6254	0103	6254	0103	6254	0103	
OZ	454 F4U-227	2	0106	3	0126	5	0120	5	0120	5	0120	1105 (7212)
	630 DC-9-10	197	0106	305	0108	502	0103	502	0103	502	0103	0138 (7205)
	640 DC-9-30	921	0106	1669	0108	2590	0102	2590	0102	2590	0102	0138 (7205)
	TOTAL	1120	0106	1977	0108	3097	0102	3097	0102	3097	0102	
ROUTE SUMMARY		5256	0105	6041	0107	11297	0103	11297	0103	11297	0103	

-----ALL TIMES ARE IN HOURS AND MINUTES-----

TABLE I-5-10

APPROXIMATE DELAYS DURING 1974 AND 1975
CATEGORIZED BY ROUTE SEGMENT, AIRLINE AND EQUIPMENT TYPE

SEGMENT SFC SEA STAGE LENGTH = ATA ST. WTIES		1974				1975				TOTAL #FLIGHTS	CHANGE IN AVG AIR DELAY	NOMINAL TIME (DATE)
AIRLINE	AIRCRAFT	#FLIGHTS	AVG AIR DELAY	1974	1975	#FLIGHTS	AVG AIR DELAY	1975	1976			
PA	ROR R-707-300R	2	0:08			65	0:11			67	0:03	1124 (7206)
	R16 R-747	96	0:03			178	0:04			274	0:02	1124 (7206)
	TOTAL	98	0:03			243	0:06			341	0:03	
UA	620 R-737-200	3	0:13			5	0:16			A	0:03	1124 (7206)
	710 R-727-100	871	0:07			1509	0:07			2440	-0:01	1124 (7206)
	711 R-727-100C/DC	369	0:08			416	0:08			785	0:00	1124 (7206)
	715 R-727-200	13	0:05			88	0:07			101	0:02	1124 (7206)
	730 DC-10-10	1	0:12			79	0:02			80	-0:10	1124 (7206)
	736 R-747	1	0:02			426	0:08			1	0:00	1124 (7206)
	R42 DC-8-20	249	0:08			188	0:07			675	-0:01	1124 (7206)
	R44 DC-8-30	7	0:14			23	0:09			7	0:01	1124 (7206)
	R48 DC-8-50	89	0:09			20	0:07			23	0:01	1124 (7206)
	R50 DC-8-50F	192	0:07			3	0:02			212	-0:03	1124 (7206)
	R51 DC-8-61	17	0:05			2817	0:07			20	-0:01	1124 (7206)
	R54 DC-8-62	1412	0:08			1173	0:11			4629	-0:01	1124 (7206)
	TOTAL					960	0:04			1798	0:01	1124 (7206)
WA	620 R-737-200	621	0:10			960	0:04			1609	0:01	1124 (7206)
	715 R-727-200	440	0:03			60	0:07			2	0:00	1124 (7206)
	R09 R-707-300C	2	0:03			2193	0:08			208	0:01	1124 (7206)
	R14 R-720-000R	148	0:07							3404	0:01	
TOTAL		1211	0:07			5253	0:07			8374	0:00	

ROUTE SUMMARY

-----ALL TIMES ARE IN HOURS AND MINUTES-----

CHAPTER II. GROUND DELAYS

Chapter II is divided into two parts:

- Table II-1 shows the nominal ground times for departures and arrivals at 20 airports.

- Tables and Figures II-2-1 to II-2-20 illustrate average monthly departure and arrival ground delays and traffic activity during 1974 and 1975. These are shown for busy and dull intervals at 20 airports.

NOTE:

The Port Authority of New York/New Jersey did not supply the average hourly departure and arrival ground times for the three New York airports; Kennedy, La Guardia, and Newark for the months of November and December. These data were essential to the statistical model devised to generate an accurate series of ground times in both the departure and arrival direction for at each the 20 airports included in the study. Therefore, estimates for the average ground times are not shown for these two months.

TABLE II-1

NOMINAL GROUND TIMES

AIRPORT	DEPARTURE	ARRIVAL
ATI	8	8
RUS	9	2
CLE	7	3
DCA	9	3
DFW	3	2
DFW	6	3
DTW	8	3
FWD	9	8
IFX	15	7
LAX	9	3
LGA	8	8
MTA	7	2
MSP	5	2
MSY	8	2
ORD	9	5
PHI	7	2
PIT	2	2
SFA	6	2
SFO	8	3
STL	3	2

ALL TIMES ARE IN MINUTES

TABLE II-2-1

DEPARTURE/ARRIVAL GROUND TIMES BY MONTH
MONTHLY AVERAGES FOR BUSY VS. DULL INTERVALS FOR AIRPORT ATL

	1974		1975	
	DEPARTURES BUSY DULL	ARRIVALS BUSY DULL	DEPARTURES BUSY DULL	ARRIVALS BUSY DULL
JAN	0110 0107	0106 0102	0111 0110	0106 0103
FEB	0110 0109	0106 0103	0110 0110	0106 0104
MAR	0110 0109	0106 0104	0110 0111	0106 0105
APR	0111 0109	0105 0106	0110 0111	0106 0105
MAY	0111 0112	0106 0103	0111 0114	0107 0103
JUN	0112 0111	0105 0102	0111 0115	0107 0103
JUL	0112 0111	0105 0104	0111 0114	0107 0103
AUG	0112 0111	0105 0104	0111 0112	0107 0103
SEP	0111 0112	0106 0102	0112 0114	0107 0104
OCT	0111 0109	0106 0105	0112 0113	0107 0104
NOV	0111 0109	0106 0104	*	*
DEC	0110 0108	0106 0104	*	*
TOTAL	0111 0110	0106 0104	0111 0112	0107 0104

NOMINAL GROUND TIME = 8.0 MINUTES FOR DEPARTURES

NOMINAL GROUND TIME = 4.0 MINUTES FOR ARRIVALS

* SEE PAGE 78 FOR EXPLANATION OF MISSING DATA

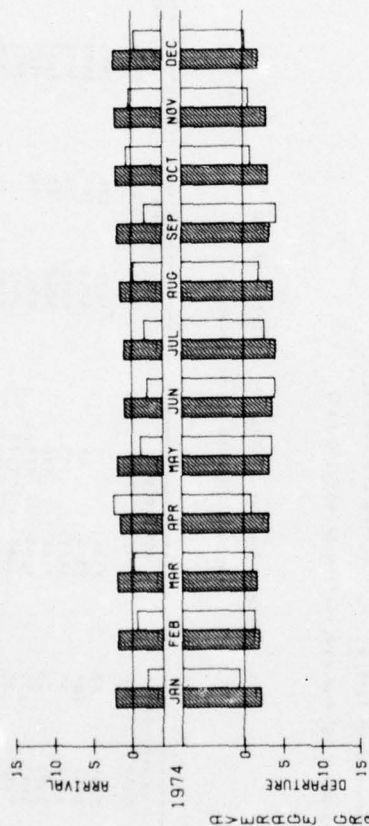
MONTHLY SUMMARY OF TRAFFIC ACTIVITY AT ATL

TO AND FROM 19 STUDY AIRPORTS

	1974		1975	
	DEPARTURES BUSY DULL	ARRIVALS BUSY DULL	DEPARTURES BUSY DULL	ARRIVALS BUSY DULL
JAN	1615 158	1791 18	3318 420	3385 152
FEB	3018 440	3194 135	3317 433	3501 173
MAR	3203 366	3344 43	3504 417	3786 127
APR	3078 329	3199 60	3398 407	3659 120
MAY	3225 531	3371 122	3788 476	3899 181
JUN	2967 456	3076 90	3535 466	3633 117
JUL	2950 411	3084 92	3537 482	3718 121
AUG	3450 559	3981 145	3728 480	3848 184
SEP	3219 446	3398 142	3247 405	3406 160
OCT	3145 453	3423 114	3948 392	3178 142
NOV	3199 472	3999 195	2988 426	3688 203
DEC	3122 452	3230 180	3113 400	3191 175
TOTAL	36811 5073	38630 1386	41189 5204	42872 1855

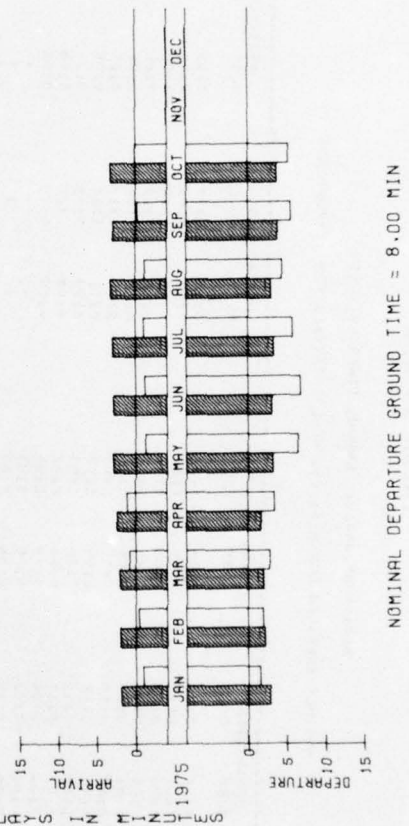
FIGURE II-2-1
ATL

NOMINAL ARRIVAL GROUND TIME = 4.00 MIN



NOMINAL DEPARTURE GROUND TIME = 8.00 MIN

NOMINAL ARRIVAL GROUND TIME = 4.00 MIN



NOMINAL DEPARTURE GROUND TIME = 8.00 MIN

BUSY
IDLE

TABLE II-2-2

DEPARTURE/ARRIVAL GROUND TIMES BY MONTH
MONTHLY AVERAGES FOR RUSY VS. DULL INTERVALS FOR AIRPORT HOS

	1974		1975	
	DEPARTURES RUSY DULL	ARRIVALS RUSY DULL	DEPARTURES RUSY DULL	ARRIVALS RUSY DULL
JAN	0110 0114	0105 0102	0109 0107	0105 0102
FEB	0111 0111	0106 0102	0110 0108	0106 0102
MAR	0109 0112	0105 0103	0109 0109	0105 0103
APR	0108 0108	0105 0103	0108 0110	0105 0102
MAY	0108 0111	0106 0102	0108 0109	0106 0102
JUN	0109 0110	0105 0102	0110 0110	0105 0102
JUL	0110 0108	0105 0102	0111 0108	0105 0103
AUG	0109 0110	0106 0103	0109 0108	0106 0102
SEP	0108 0110	0106 0103	0108 0108	0105 0102
OCT	0108 0109	0106 0103	0109 0109	0106 0102
NOV	0109 0107	0106 0103	*	*
DEC	0109 0108	0106 0103	*	*
TOTAL	0109 0109	0106 0103	0109 0108	0105 0102

NOMINAL GROUND TIME = 9.0 MINUTES FOR DEPARTURES

NOMINAL GROUND TIME = 2.0 MINUTES FOR ARRIVALS

* SEE PAGE 78 FOR EXPLANATION OF MISSING DATA

MONTHLY SUMMARY OF TRAFFIC ACTIVITY AT HOS

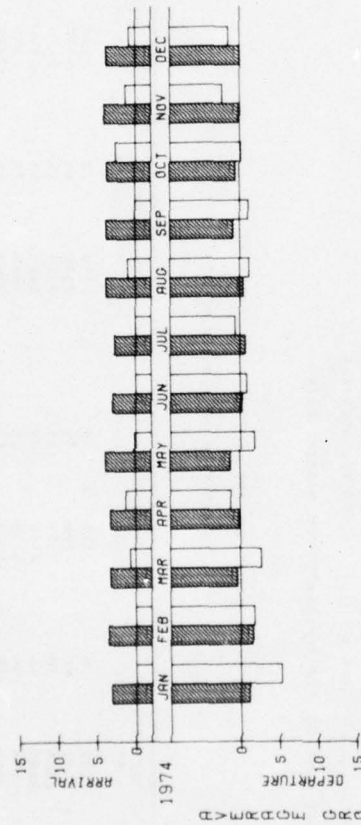
TO AND FROM 19 STUDY AIRPORTS

	1974		1975	
	DEPARTURES RUSY DULL	ARRIVALS RUSY DULL	DEPARTURES RUSY DULL	ARRIVALS RUSY DULL
JAN	2221 27	2136 1	3727 170	3549 173
FEB	3551 109	3379 93	3830 145	3599 163
MAR	3774 95	3581 113	4020 78	3671 119
APR	3687 72	3368 110	3862 69	3473 115
MAY	3493 53	3293 128	4301 94	4129 173
JUN	3338 51	3067 137	3581 71	3231 145
JUL	3224 52	2916 117	3392 74	3126 120
AUG	4626 151	4337 230	4430 103	4146 183
SEP	3971 141	3638 187	3751 105	3444 175
OCT	4019 151	3636 169	3755 105	3349 147
NOV	4101 145	3874 236	4088 147	3870 165
DEC	3870 175	3624 207	3316 132	3330 104
TOTAL	43875 1222	40847 1728	46053 1281	42917 1822

FIGURE II-2-2

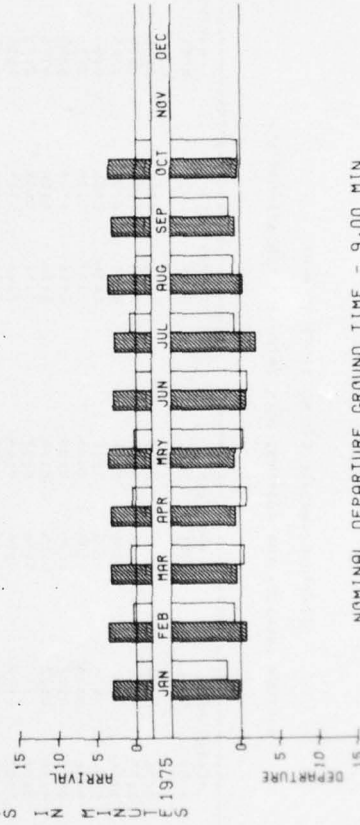
BOS

NOMINAL ARRIVAL GROUND TIME = 2.00 MIN



NOMINAL DEPARTURE GROUND TIME = 9.00 MIN

NOMINAL ARRIVAL GROUND TIME = 2.00 MIN



NOMINAL DEPARTURE GROUND TIME = 9.00 MIN

BUSY
IDLE

AD-A039 483

TRANSPORTATION SYSTEMS CENTER CAMBRIDGE MASS

F/G 1/2

AIRLINE DELAY TRENDS, 1974-1975. A STUDY OF BLOCK TIME DELAYS, --ETC(U)
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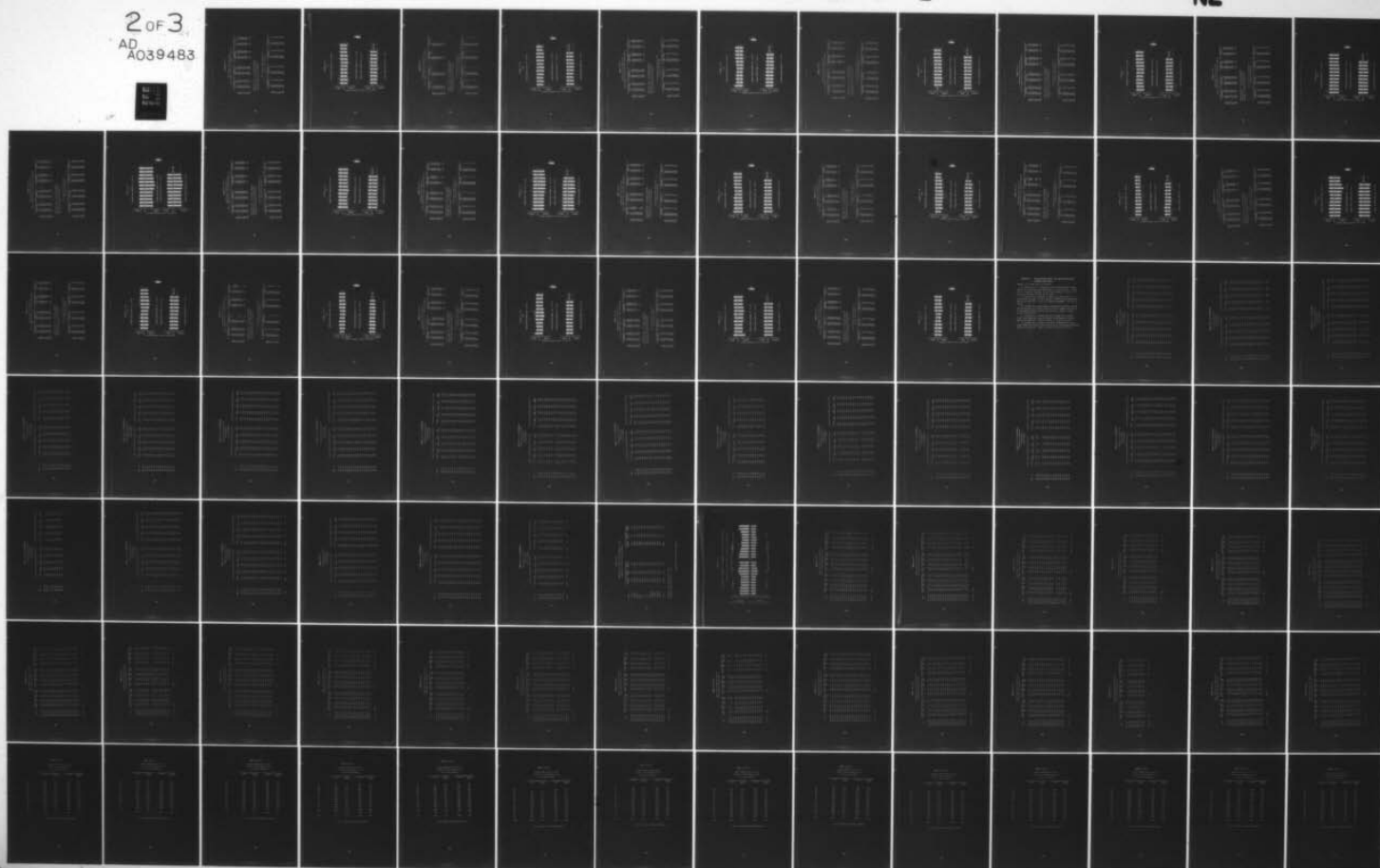


TABLE II-2-3

DEPARTURE/ARRIVAL GROUND TIMES BY MONTH
MONTHLY AVERAGES FOR RUSV VS. DULL INTERVALS FOR AIRPORT CLE

	1974		1975	
	DEPARTURES RUSV	ARRIVALS DULL	DEPARTURES RUSV	ARRIVALS DULL
JAN	0106	0109	0106	0105
FEB	0108	0111	0107	0106
MAR	0106	0107	0107	0105
APR	0107	0106	0107	0105
MAY	0106	0109	0106	0105
JUN	0107	0107	0107	0108
JUL	0107	0107	0106	0108
AUG	0108	0107	0106	0106
SEP	0107	0107	0106	0106
OCT	0106	0105	0106	0105
NOV	0105	0105	0106	0109
DEC	0106	0111	0107	0108
TOTAL	0107	0107	0106	0107

NOMINAL GROUND TIME = 7.0 MINUTES FOR DEPARTURES

NOMINAL GROUND TIME = 3.0 MINUTES FOR ARRIVALS

* SEE PAGE 78 FOR EXPLANATION OF MISSING DATA

MONTHLY SUMMARY OF TRAFFIC ACTIVITY AT CLE

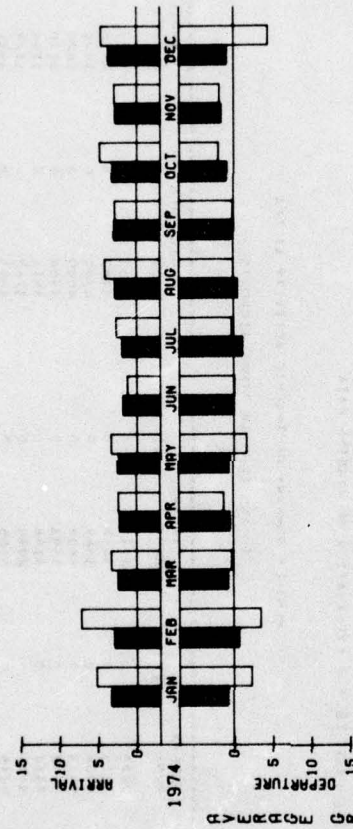
TO AND FROM 19 STUDY AIRPORTS

	1974		1975	
	DEPARTURES RUSV	ARRIVALS DULL	DEPARTURES RUSV	ARRIVALS DULL
JAN	312	19	2354	2307
FEB	2302	60	2377	2332
MAR	2506	70	2575	2474
APR	2440	44	2466	2394
MAY	1194	40	2685	2641
JUN	967	46	2402	2423
JUL	940	47	2416	2419
AUG	3037	94	2667	2680
SEP	2622	62	2387	2437
OCT	2652	64	1941	2056
NOV	2113	34	2630	2615
DEC	1900	30	1859	1794
TOTAL	23089	637	24839	24814

FIGURE II-2-3

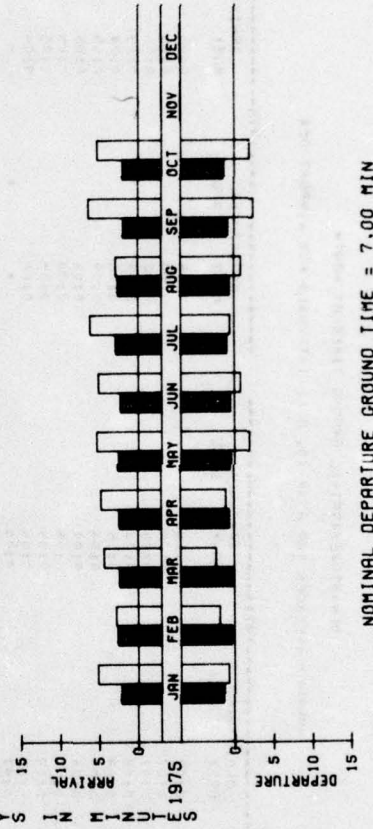
CLE

NOMINAL ARRIVAL GROUND TIME = 3.00 MIN



NOMINAL DEPARTURE GROUND TIME = 7.00 MIN

NOMINAL ARRIVAL GROUND TIME = 3.00 MIN



NOMINAL DEPARTURE GROUND TIME = 7.00 MIN

TABLE II-2-4

DEPARTURE/ARRIVAL GROUND TIMES BY MONTH
MONTHLY AVERAGES FOR RUSV VS. DULL INTERVALS FOR AIRPORT DCA

	1974		1975	
	DEPARTURES RUSV	ARRIVALS DULL	DEPARTURES RUSV	ARRIVALS DULL
JAN	0107	0104	0108	0105
FEB	0107	0104	0108	0105
MAR	0107	0105	0107	0105
APR	0104	0104	0107	0105
MAY	0108	0105	0108	0104
JUN	0104	0104	0109	0105
JUL	0104	0104	0108	0105
AUG	0104	0105	0108	0105
SEP	0109	0105	0108	0105
OCT	0108	0105	0108	0104
NOV	0107	0104	*	*
DEC	0107	0104	*	*
TOTAL	0108	0104	0108	0105

NOMINAL GROUND TIME = 9.0 MINUTES FOR DEPARTURES

NOMINAL GROUND TIME = 5.0 MINUTES FOR ARRIVALS

* SEE PAGE 78 FOR EXPLANATION OF MISSING DATA

MONTHLY SUMMARY OF TRAFFIC ACTIVITY AT DCA

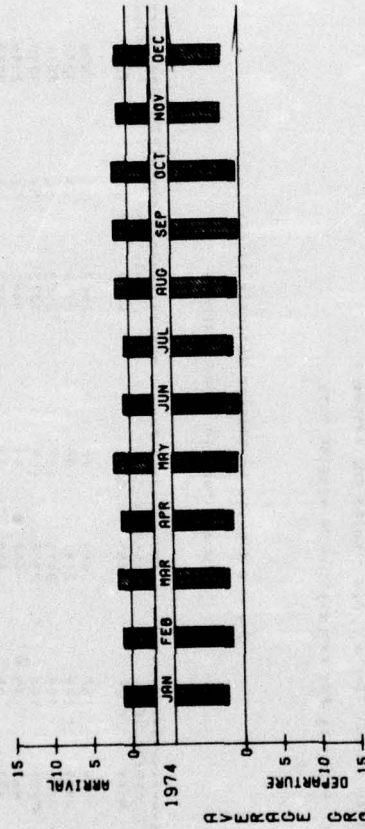
TU AND FROM 19 STUDY AIRPORTS

	1974		1975	
	DEPARTURES RUSV	ARRIVALS DULL	DEPARTURES RUSV	ARRIVALS DULL
JAN	2020	2135	4007	3459
FEB	3615	3054	3782	3577
MAR	4009	3469	4204	3924
APR	3915	3404	4049	3820
MAY	3632	3393	4384	4170
JUN	3314	3146	3762	3764
JUL	3046	2935	3762	3723
AUG	4214	4065	4095	3971
SEP	3917	3769	3685	3697
OCT	4090	3935	3340	3274
NOV	3570	3379	3784	3754
DEC	3353	3219	3414	3289
TOTAL	42607	41111	46315	44755

FIGURE II-2-4

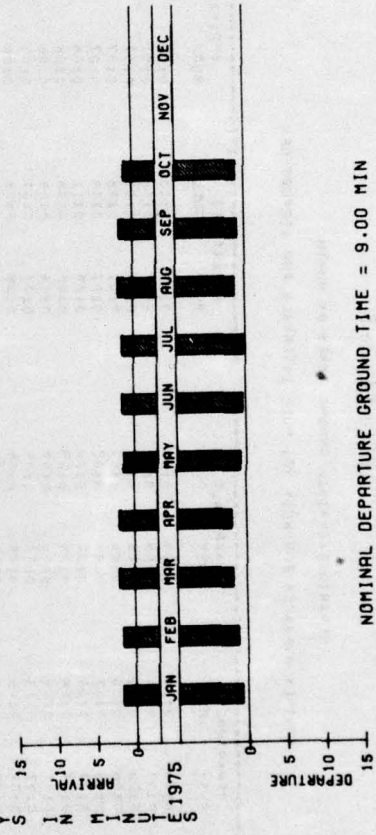
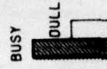
DCA

NOMINAL ARRIVAL GROUND TIME = 3.00 MIN



NOMINAL DEPARTURE GROUND TIME = 9.00 MIN

NOMINAL ARRIVAL GROUND TIME = 3.00 MIN



NOMINAL DEPARTURE GROUND TIME = 9.00 MIN

TABLE II-2-5

DEPARTURE/ARRIVAL GROUND TIMES BY MONTH
MONTHLY AVERAGES FOR RUSV VS. DULL INTERVALS FOR AIRPORT DEN

	1978		1975	
	DEPARTURES RUSV	ARRIVALS DULL	DEPARTURES RUSV	ARRIVALS DULL
JAN	0106	0110	0107	0107
FEB	0107	0105	0107	0105
MAR	0106	0106	0107	0105
APR	0106	0104	0107	0105
MAY	0105	0107	0107	0105
JUN	0107	0109	0107	0105
JUL	0107	0109	0107	0105
AUG	0107	0109	0107	0105
SEP	0107	0113	0107	0105
OCT	0107	0106	0107	0105
NOV	0107	0106	0107	0105
DEC	0107	0106	0107	0105
TOTAL	0107	0107	0107	0105

NOMINAL GROUND TIME = 3.0 MINUTES FOR DEPARTURES

NOMINAL GROUND TIME = 2.0 MINUTES FOR ARRIVALS

* SEE PAGE 78 FOR EXPLANATION OF MISSING DATA

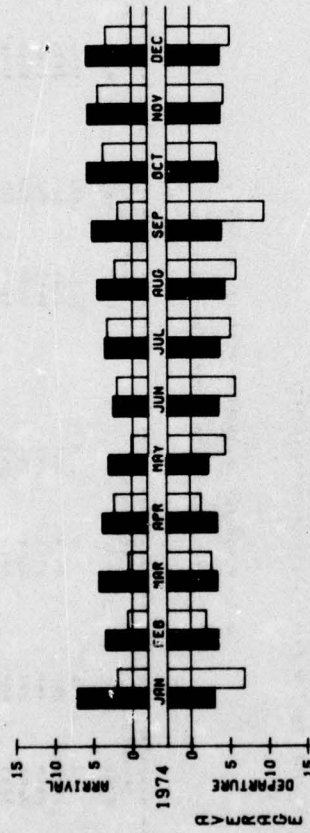
MONTHLY SUMMARY OF TRAFFIC ACTIVITY AT DEN
TO AND FROM 19 STUDY AIRPORTS

	1978		1975	
	DEPARTURES RUSV	ARRIVALS DULL	DEPARTURES RUSV	ARRIVALS DULL
JAN	429	50	2487	50
FEB	2099	102	2252	44
MAR	2301	106	2502	56
APR	2221	101	2272	53
MAY	968	75	2481	51
JUN	840	48	2102	40
JUL	410	51	2161	52
AUG	2863	53	2807	51
SEP	2472	51	2300	52
OCT	2388	51	2405	53
NOV	2201	46	2005	40
DEC	2237	48	2023	52
TOTAL	21979	762	24247	607

FIGURE II-2-5

DEN

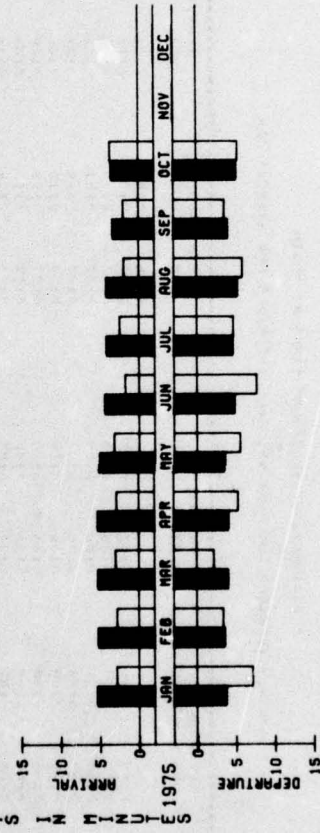
NOMINAL ARRIVAL GROUND TIME = 2.00 MIN



BUSY
DULL

NOMINAL DEPARTURE GROUND TIME = 3.00 MIN

NOMINAL ARRIVAL GROUND TIME = 2.00 MIN



NOMINAL DEPARTURE GROUND TIME = 3.00 MIN

TABLE II-2-6

DEPARTURE/ARRIVAL GROUND TIMES BY MONTH
MONTHLY AVERAGES FOR RUSV VS. DULL INTERVALS FOR AIRPORT OFW

	1974		1975	
	DEPARTURES RUSV DULL	ARRIVALS RUSV DULL	DEPARTURES RUSV DULL	ARRIVALS RUSV DULL
JAN	0100 0210	0107 0135	0106 0107	0106 0105
FEB	0100 0207	0106 0105	0107 0107	0106 0106
MAR	0100 0206	0106 0105	0107 0107	0106 0105
APR	0107 0208	0106 0103	0107 0109	0106 0104
MAY	0100 0208	0106 0104	0107 0110	0106 0105
JUN	0100 0208	0106 0105	0107 0110	0106 0105
JUL	0100 0208	0106 0106	0107 0110	0106 0105
AUG	0100 0208	0107 0107	0108 0108	0106 0105
SEP	0107 0207	0107 0107	0108 0107	0106 0106
OCT	0107 0207	0107 0106	0108 0107	0106 0106
NOV	0107 0209	0106 0106	0107 0106	0106 0106
DEC	0100 0208	0106 0105	0107 0108	0106 0105
TOTAL				

DEPARTURE GROUND TIME = 6.0 MINUTES FOR DEPARTURES

ARRIVAL GROUND TIME = 3.0 MINUTES FOR ARRIVALS

* SEE PAGE 78 FOR EXPLANATION OF AVERAGING DATA

MONTHLY SUMMARY OF TRAFFIC ACTIVITY AT DEW

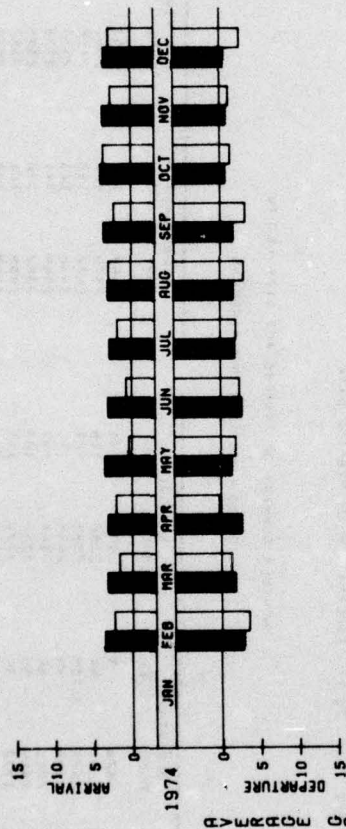
TO AND FROM 19 STUDY AIRPORTS

	1970		1975	
	DEPARTURES RUSV DULL	ARRIVALS RUSV DULL	DEPARTURES RUSV DULL	ARRIVALS RUSV DULL
JAN	2707 0	2689 0	2807 271	2896 257
FEB	2819 260	2703 267	3001 313	2875 300
MAR	2693 233	2608 250	3112 350	3069 311
APR	3243 284	3210 293	3007 304	3010 300
MAY	2982 290	2926 282	3324 325	3218 325
JUN	2985 321	2880 292	2881 202	2943 301
JUL	3586 397	3503 392	2952 201	3019 300
AUG	2900 313	3072 340	3515 331	3612 313
SEP	3100 325	3182 361	2986 198	2859 335
OCT	3309 295	3167 304	2957 158	2837 335
NOV	3324 295	3089 298	3279 229	3132 301
DEC	3322 325	3029 304	3216 177	2950 301
TOTAL			3171 3099	36515 36770

FIGURE II-2-6

DFW

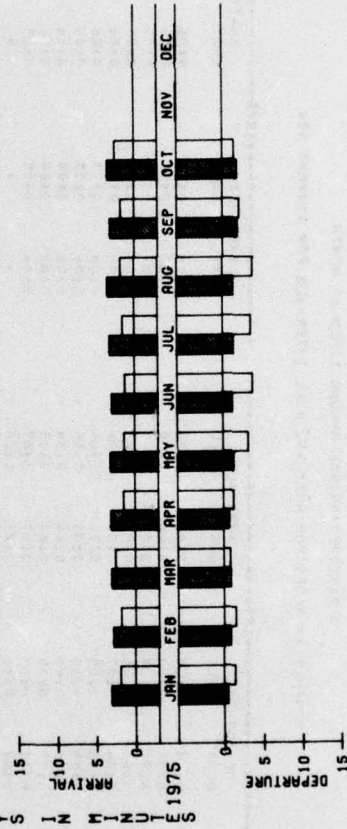
NOMINAL ARRIVAL GROUND TIME = 3.00 MIN



BUSY
DULL

NOMINAL DEPARTURE GROUND TIME = 6.00 MIN

NOMINAL ARRIVAL GROUND TIME = 3.00 MIN



NOMINAL DEPARTURE GROUND TIME = 6.00 MIN

TABLE II-2-7

DEPARTURE/ARRIVAL GROUND TIMES BY MONTH
MONTHLY AVERAGES FOR BUSY VS. DULL INTERVALS FOR AIRPORT 074

	1974		1975	
	DEPARTURES BUSY	ARRIVALS DULL	DEPARTURES BUSY	ARRIVALS DULL
JAN	0108	0109	0106	0107
FEB	0108	0108	0107	0106
MAR	0107	0107	0107	0107
APR	0106	0105	0106	0107
MAY	0106	0107	0106	0107
JUN	0108	0109	0106	0105
JUL	0108	0110	0106	0106
AUG	0109	0109	0106	0106
SEP	0108	0108	0107	0105
OCT	0107	0108	0107	0106
NOV	0107	0106	0106	0105
DEC	0107	0106	0106	0105
TOTAL	0107	0108	0106	0106

NOMINAL GROUND TIME = 8.0 MINUTES FOR DEPARTURES

NOMINAL GROUND TIME = 3.0 MINUTES FOR ARRIVALS

* SEE PAGE 78 FOR EXPLANATION OF MISSING DATA

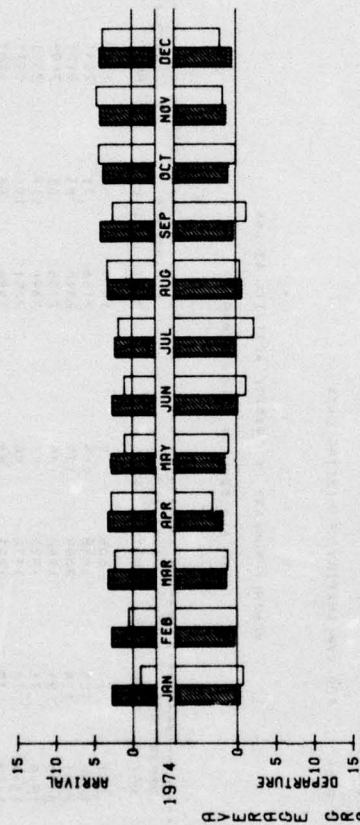
MONTHLY SUMMARY OF TRAFFIC ACTIVITY AT DTW
TO AND FROM 19 STUDY AIRPORTS

	1974		1975	
	DEPARTURES BUSY	ARRIVALS DULL	DEPARTURES BUSY	ARRIVALS DULL
JAN	824	3	2669	100
FEB	2384	94	2570	122
MAR	2620	109	2672	132
APR	2498	99	2448	123
MAY	2202	66	2949	141
JUN	1855	34	2382	114
JUL	1772	35	2408	107
AUG	3018	168	3042	100
SEP	2809	124	2597	97
OCT	2716	119	1681	47
NOV	1721	39	2852	96
DEC	2678	58	2645	68
TOTAL	26789	928	30735	1289

FIGURE II-2-2-7

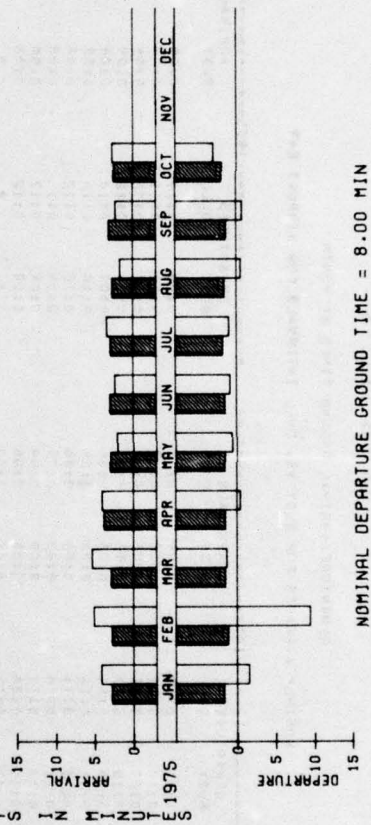
DTW

NOMINAL ARRIVAL GROUND TIME = 3.00 MIN



NOMINAL DEPARTURE GROUND TIME = 8.00 MIN

NOMINAL ARRIVAL GROUND TIME = 3.00 MIN



NOMINAL DEPARTURE GROUND TIME = 8.00 MIN

TABLE II-2-8

DEPARTURE/ARRIVAL GROUND TIMES BY MONTH
MONTHLY AVERAGES FOR BUSY VS. DULL INTERVALS FOR AIRPORT EHR

	1974		1975	
	DEPARTURES BUSY	ARRIVALS DULL	DEPARTURES BUSY	ARRIVALS DULL
JAN	0110	0117	0109	0108
FEB	0110	0112	0110	0108
MAR	0109	0113	0110	0108
APR	0110	0110	0109	0108
MAY	0110	0113	0110	0108
JUN	0111	0114	0110	0108
JUL	0111	0111	0110	0108
AUG	0111	0110	0109	0108
SEP	0111	0110	0109	0108
OCT	0110	0111	0109	0108
NOV	0110	0112	0109	0108
DEC	0110	0111	0110	0108
TOTAL	0110	0111	0110	0108

NOMINAL GROUND TIME = 9.0 MINUTES FOR DEPARTURES

NOMINAL GROUND TIME = 9.0 MINUTES FOR ARRIVALS

* SEE PAGE FOR EXPLANATION OF MISSING DATA

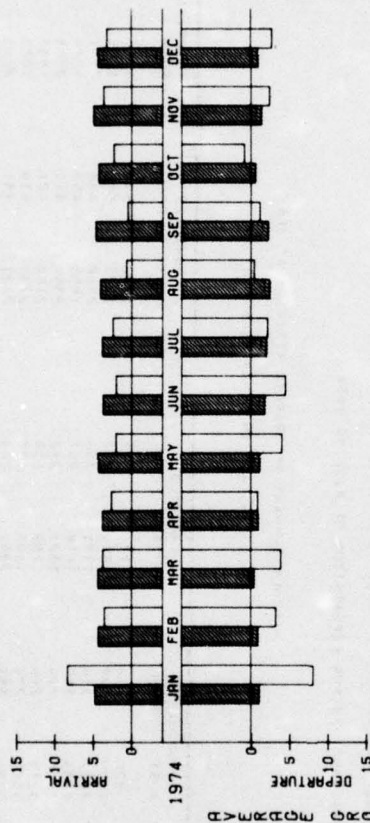
MONTHLY SUMMARY OF TRAFFIC ACTIVITY AT EHR

TO AND FROM 19 STUDY AIRPORTS

	1974		1975	
	DEPARTURES BUSY	ARRIVALS DULL	DEPARTURES BUSY	ARRIVALS DULL
JAN	567	20	1909	1752
FEB	1896	125	2156	2031
MAR	2117	118	2348	2181
APR	2070	91	2145	2008
MAY	1540	73	2190	2311
JUN	1344	72	2051	1971
JUL	1309	72	2086	1887
AUG	2404	151	2336	2307
SEP	2118	132	1924	1700
OCT	2150	144	1715	1509
NOV	2058	101	2336	2188
DEC	1848	72	1981	1875
TOTAL	21461	1171	25322	23850

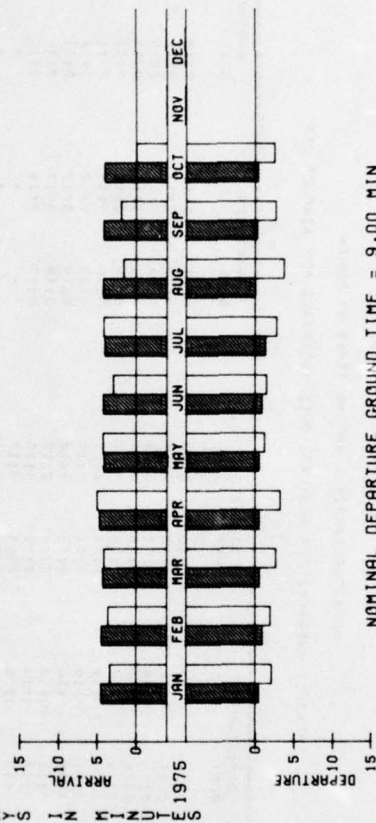
FIGURE II-2-8
EWR

NOMINAL ARRIVAL GROUND TIME = 4.00 MIN



NOMINAL DEPARTURE GROUND TIME = 9.00 MIN

NOMINAL ARRIVAL GROUND TIME = 4.00 MIN



NOMINAL DEPARTURE GROUND TIME = 9.00 MIN

TABLE II-2-9

DEPARTURE/ARRIVAL GROUND TIMES BY MONTH
MONTHLY AVERAGES FOR BUSY VS. DULL INTERVALS FOR AIRPORT JFK

	1974		1975	
	DEPARTURES BUSY	ARRIVALS DULL	DEPARTURES BUSY	ARRIVALS DULL
JAN	0116	0117	0117	0110
FEB	0117	0118	0118	0111
MAR	0115	0116	0116	0110
APR	0116	0116	0116	0110
MAY	0116	0117	0116	0110
JUN	0119	0119	0118	0110
JUL	0121	0119	0120	0112
AUG	0118	0116	0119	0110
SEP	0117	0114	0118	0110
OCT	0116	0115	0117	0110
NOV	0117	0116	0117	0109
DEC	0117	0117	0117	0110
TOTAL				

NOMINAL GROUND TIME = 15.0 MINUTES FOR DEPARTURES

NOMINAL GROUND TIME = 7.0 MINUTES FOR ARRIVALS

* SEE PAGE 78 FOR EXPLANATION OF MISSING DATA

MONTHLY SUMMARY OF TRAFFIC ACTIVITY AT JFK

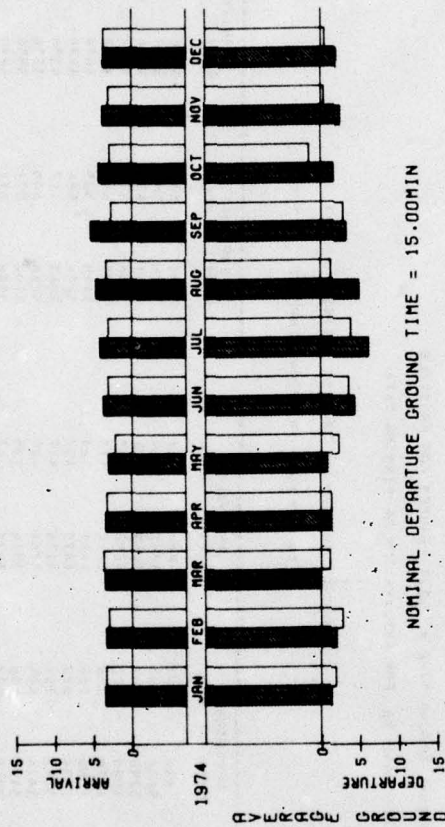
TO AND FROM 10 STUDY AIRPORTS

	1974		1975	
	DEPARTURES BUSY	ARRIVALS DULL	DEPARTURES BUSY	ARRIVALS DULL
JAN	820	771	1782	1730
FEB	1409	1844	1970	1994
MAR	2012	1771	2062	2191
APR	1834	1618	1955	1898
MAY	1305	1327	2364	2265
JUN	1215	1267	2168	2065
JUL	1103	1192	2230	1885
AUG	2196	2092	2621	2401
SEP	1903	1778	1920	1800
OCT	1906	1594	1788	1553
NOV	1754	1650	1994	1783
DEC	1693	1624	1695	1664
TOTAL	19642	18488	24509	22800

FIGURE II-2-9

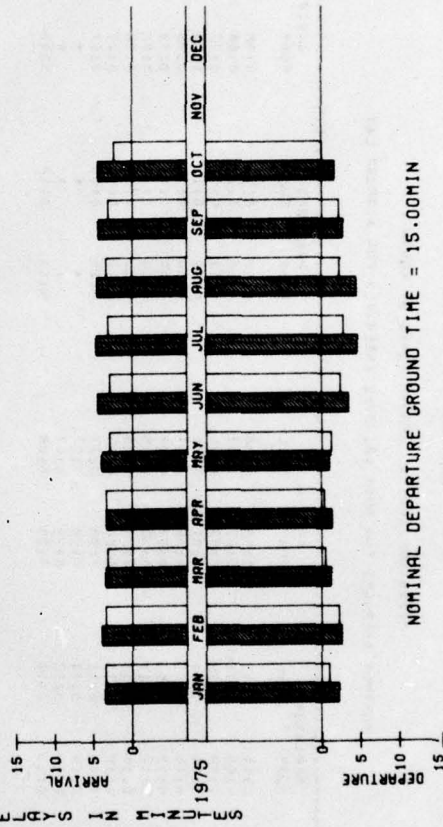
JFK

NOMINAL ARRIVAL GROUND TIME = 7.00 MIN



NOMINAL DEPARTURE GROUND TIME = 15.00 MIN

NOMINAL ARRIVAL GROUND TIME = 7.00 MIN



NOMINAL DEPARTURE GROUND TIME = 15.00 MIN

TABLE II-2-10

DEPARTURE/ARRIVAL GROUND TIMES BY MONTH
MONTHLY AVERAGES FOR BUSY VS. DULL INTERVALS FOR AIRPORT LAX

	1974		1975	
	DEPARTURES BUSY	DULL	DEPARTURES BUSY	DULL
JAN	0111	0111	0110	0111
FEB	0109	0111	0110	0111
MAR	0109	0112	0110	0111
APR	0109	0111	0109	0112
MAY	0110	0113	0109	0112
JUN	0112	0113	0109	0113
JUL	0110	0111	0110	0113
AUG	0110	0113	0110	0113
SEP	0110	0113	0110	0112
OCT	0110	0111	0110	0112
NOV	0110	0111	0110	0112
DEC	0110	0112	0110	0112
TOTAL				

NOMINAL GROUND TIME = 9.0 MINUTES FOR DEPARTURES

NOMINAL GROUND TIME = 3.0 MINUTES FOR ARRIVALS

* SEE PAGE 78 FOR EXPLANATION OF MISSING DATA

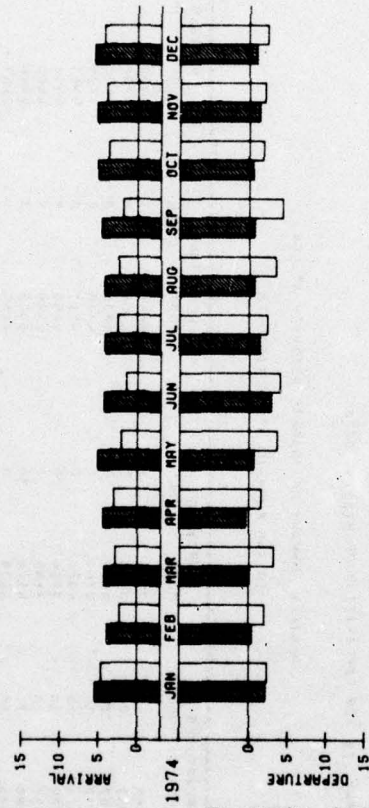
MONTHLY SUMMARY OF TRAFFIC ACTIVITY AT LAX

TO AND FROM 19 STUDY AIRPORTS

	1974		1975	
	DEPARTURES BUSY	DULL	DEPARTURES BUSY	DULL
JAN	834	153	3275	531
FEB	3092	487	3126	590
MAR	3296	482	3407	613
APR	3060	402	3198	594
MAY	1470	254	3377	548
JUN	1368	216	3108	528
JUL	1334	224	3256	566
AUG	1492	741	3863	717
SEP	3476	605	3268	608
OCT	3000	546	3142	571
NOV	2748	527	3384	611
DEC	2453	461	2816	613
TOTAL	30863	5134	39263	7093

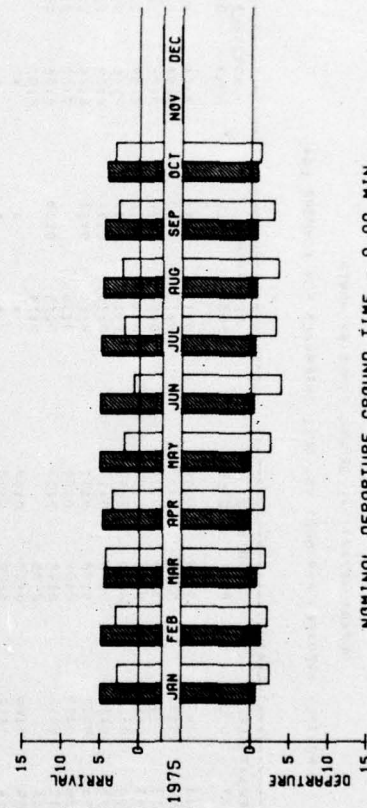
FIGURE II-2-10
LAX

NOMINAL ARRIVAL GROUND TIME = 3.00 MIN



NOMINAL DEPARTURE GROUND TIME = 9.00 MIN

NOMINAL ARRIVAL GROUND TIME = 3.00 MIN



NOMINAL DEPARTURE GROUND TIME = 9.00 MIN

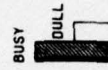


TABLE II-2-11

DEPARTURE/ARRIVAL GROUND TIMES BY MONTH
MONTHLY AVERAGES FOR BUSY VS. DULL INTERVALS FOR AIRPORT LGA

	1974				1975			
	DEPARTURES		ARRIVALS		DEPARTURES		ARRIVALS	
	BUSY	DULL	BUSY	DULL	BUSY	DULL	BUSY	DULL
JAN	0113	0110	0109	0110	0114	0111	0108	0111
FEB	0114	0111	0108	0110	0114	0112	0108	0111
MAR	0113	0111	0108	0110	0113	0110	0108	0110
APR	0113	0110	0108	0108	0113	0110	0108	0110
MAY	0112	0111	0109	0109	0114	0109	0108	0110
JUN	0115	0111	0108	0113	0116	0111	0109	0109
JUL	0116	0111	0108	0111	0116	0111	0108	0109
AUG	0116	0115	0108	0106	0115	0111	0108	0108
SEP	0117	0116	0108	0113	0115	0109	0108	0110
OCT	0116	0115	0108	0113	0114	0109	0108	0110
NOV	0115	0109	0109	0109	0114	0109	0107	0107
DEC	0114	0112	0109	0110	0114	0111	0108	0111
TOTAL	0115	0112	0108	0107	0114	0111	0108	0111

NOMINAL GROUND TIME = 8.0 MINUTES FOR DEPARTURES

NOMINAL GROUND TIME = 4.0 MINUTES FOR ARRIVALS

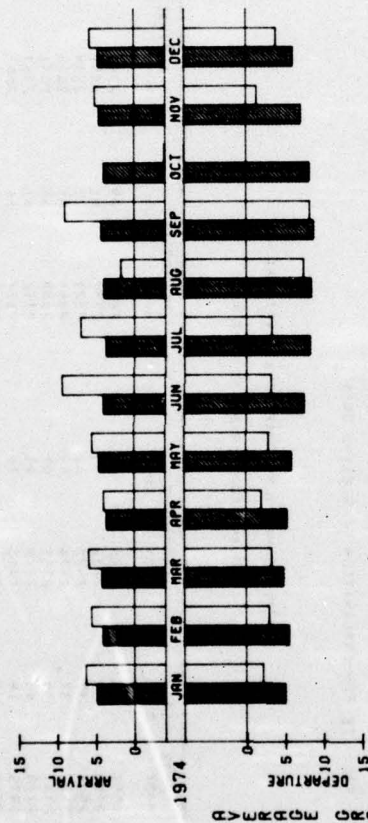
* SEE PAGE 78 FOR EXPLANATION OF MISSING DATA

MONTHLY SUMMARY OF TRAFFIC ACTIVITY AT LGA
TO AND FROM 19 STUDY AIRPORTS

	1974				1975			
	DEPARTURES		ARRIVALS		DEPARTURES		ARRIVALS	
	BUSY	DULL	BUSY	DULL	BUSY	DULL	BUSY	DULL
JAN	2464	0	2926	0	4660	1	4500	0
FEB	4310	24	4353	0	4308	0	4220	4
MAR	4767	31	4720	0	4800	0	4621	1
APR	4792	30	4763	0	4768	0	4529	4
MAY	4014	34	4024	0	5113	0	5053	0
JUN	3709	34	3619	0	4495	0	4554	0
JUL	3511	0	3195	0	4349	0	4400	0
AUG	5080	31	5114	30	4948	0	4946	0
SEP	4604	30	4679	0	4635	0	4667	0
OCT	4813	0	4878	0	4670	0	4707	0
NOV	4629	0	4627	0	4892	0	4942	0
DEC	4442	0	4362	0	4242	0	4305	0
TOTAL	41553	224	51260	34	55960	1	55446	9

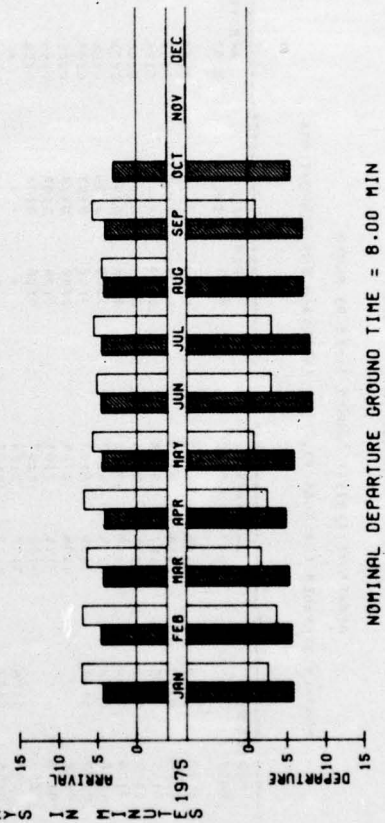
FIGURE II-2-11
LGA

NOMINAL ARRIVAL GROUND TIME = 4.00 MIN



NOMINAL DEPARTURE GROUND TIME = 8.00 MIN

NOMINAL ARRIVAL GROUND TIME = 4.00 MIN



NOMINAL DEPARTURE GROUND TIME = 8.00 MIN

TABLE II-2-12

DEPARTURE/ARRIVAL GROUND TIMES BY MONTH
MONTHLY AVERAGES FOR BUSY VS. DULL INTERVALS FOR AIRPORT WTA

	1974		1975	
	DEPARTURES BUSY	ARRIVALS DULL	DEPARTURES BUSY	ARRIVALS DULL
JAN	0110	0103	0109	0107
FEB	0109	0106	0109	0107
MAR	0110	0107	0109	0106
APR	0110	0106	0109	0106
MAY	0109	0107	0108	0106
JUN	0109	0105	0108	0106
JUL	0108	0105	0108	0106
AUG	0108	0106	0108	0107
SEP	0108	0105	0108	0107
OCT	0108	0106	0108	0106
NOV	0108	0107	0108	0105
DEC	0108	0107	0108	0106
TOTAL	0109	0106	0108	0107

NOMINAL GROUND TIME = 7.0 MINUTES FOR DEPARTURES

NOMINAL GROUND TIME = 2.0 MINUTES FOR ARRIVALS

* SEE PAGE 78 FOR EXPLANATION OF MISSING DATA

MONTHLY SUMMARY OF TRAFFIC ACTIVITY AT WTA

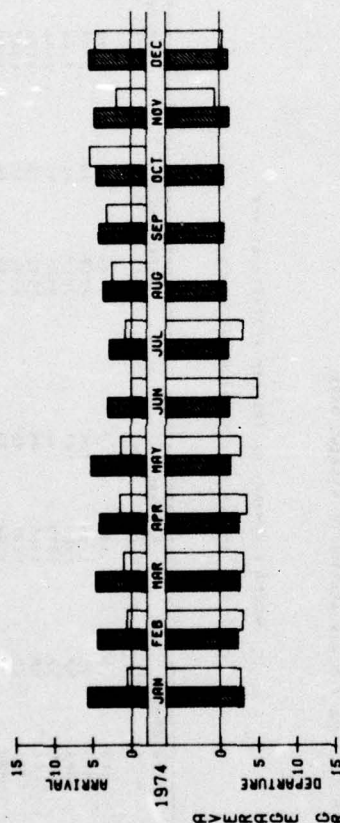
TO AND FROM 19 STUDY AIRPORTS

	1974		1975	
	DEPARTURES BUSY	ARRIVALS DULL	DEPARTURES BUSY	ARRIVALS DULL
JAN	1451	24	2253	29
FEB	2258	34	2357	61
MAR	2568	37	2521	71
APR	2416	37	2364	65
MAY	2381	39	2488	65
JUN	2224	40	2332	61
JUL	1975	18	2377	66
AUG	2068	18	2444	66
SEP	1756	0	1708	29
OCT	1785	0	1603	30
NOV	1785	33	1912	32
DEC	1656	14	1647	16
TOTAL	24373	278	24046	591

FIGURE II-2-12

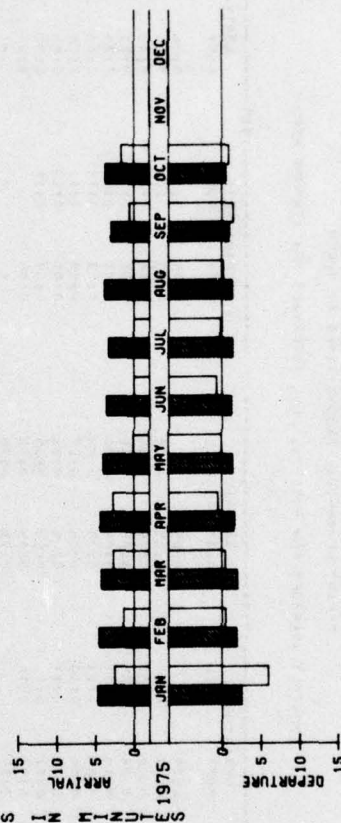
MIA

NOMINAL ARRIVAL GROUND TIME = 2.00 MIN



NOMINAL DEPARTURE GROUND TIME = 7.00 MIN

NOMINAL ARRIVAL GROUND TIME = 2.00 MIN



NOMINAL DEPARTURE GROUND TIME = 7.00 MIN

BUSY
IDLE

TABLE II-2-13

DEPARTURE/ARRIVAL GROUND TIMES BY MONTH
MONTHLY AVERAGES FOR RUSV VS. DULL INTERVALS FOR AIRPORT MSP

	1974		1975	
	DEPARTURES RUSV	ARRIVALS DULL	DEPARTURES RUSV	ARRIVALS DULL
JAN	0105	0107	0109	0107
FEB	0109	0107	0109	0106
MAR	0109	0107	0109	0105
APR	0109	0106	0109	0105
MAY	0110	0106	0107	0106
JUN	0109	0105	0109	0105
JUL	0109	0105	0109	0106
AUG	0109	0105	0107	0105
SEP	0107	0105	0109	0105
OCT	0107	0105	0105	0105
NOV	0105	0105	0105	0105
DEC	0105	0104	0105	0105
TOTAL	0109	0110	0109	0106

NOMINAL GROUND TIME = 5.0 MINUTES FOR DEPARTURES

NOMINAL GROUND TIME = 2.0 MINUTES FOR ARRIVALS

* SEE PAGE 78 FOR EXPLANATION OF MISSING DATA

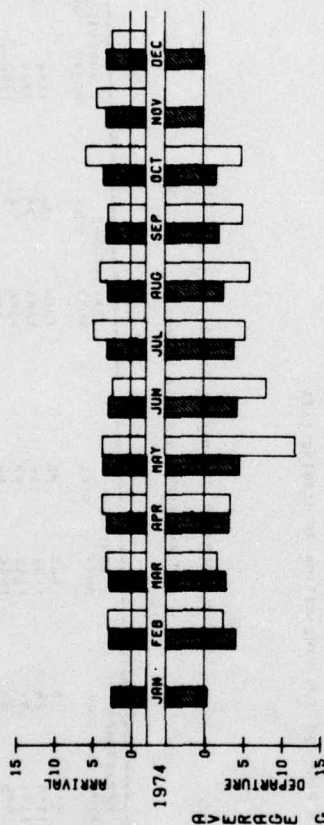
MONTHLY SUMMARY OF TRAFFIC ACTIVITY AT MSP

TO AND FROM 19 STUDY AIRPORTS

	1974		1975	
	DEPARTURES RUSV	ARRIVALS DULL	DEPARTURES RUSV	ARRIVALS DULL
JAN	180	0	1930	159
FEB	1876	48	2018	181
MAR	2083	52	2219	203
APR	2005	52	2098	187
MAY	1558	52	2172	169
JUN	1301	20	2082	169
JUL	1339	20	2071	152
AUG	2350	48	2076	129
SEP	2142	48	2034	144
OCT	2173	54	1035	62
NOV	591	0	2006	134
DEC	593	0	1852	31
TOTAL	18191	385	23503	1799

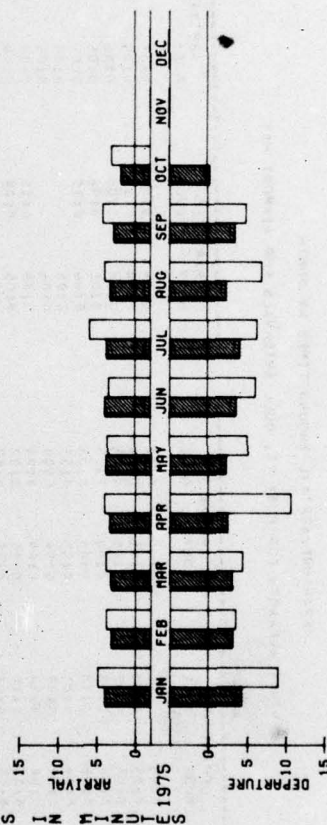
FIGURE II-2-13
MSP

NOMINAL ARRIVAL GROUND TIME = 2.00 MIN



NOMINAL DEPARTURE GROUND TIME = 5.00 MIN

NOMINAL ARRIVAL GROUND TIME = 2.00 MIN



NOMINAL DEPARTURE GROUND TIME = 5.00 MIN

TABLE II-2-14

DEPARTURE/ARRIVAL GROUND TIMES BY MONTH
MONTHLY AVERAGES FOR BUSY VS. DULL INTERVALS FOR AIRPORT MSY

	1974		1975	
	DEPARTURES BUSY DULL	ARRIVALS BUSY DULL	DEPARTURES BUSY DULL	ARRIVALS BUSY DULL
JAN	0105	0107	0104	0107
FEB	0105	0107	0105	0106
MAR	0105	0107	0105	0105
APR	0106	0108	0104	0104
MAY	0106	0108	0105	0105
JUN	0104	0111	0105	0103
JUL	0104	0109	0105	0103
AUG	0104	0104	0104	0104
SEP	0103	0110	0104	0110
OCT	0103	0103	0105	0102
NOV	0104	0108	0105	0104
DEC	0103	0105	0105	0102
TOTAL	0104	0107	0105	0103

MINIMAL GROUND TIME = 4.0 MINUTES FOR DEPARTURES

MINIMAL GROUND TIME = 2.0 MINUTES FOR ARRIVALS

* SEE PAGE 78 FOR EXPLANATION OF MISSING DATA

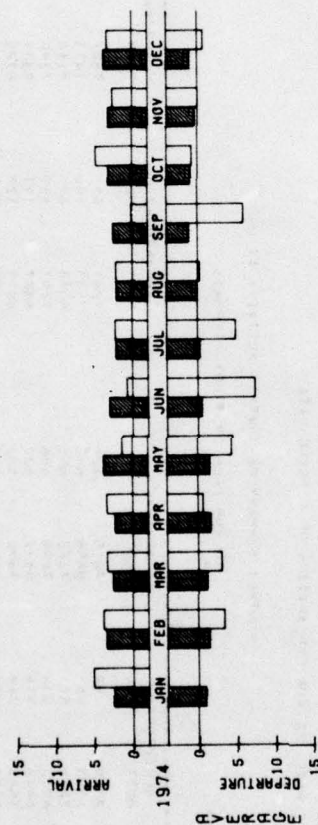
MONTHLY SUMMARY OF TRAFFIC ACTIVITY AT MSY
TO AND FROM 19 STUDY AIRPORTS

	1974		1975	
	DEPARTURES BUSY DULL	ARRIVALS BUSY DULL	DEPARTURES BUSY DULL	ARRIVALS BUSY DULL
JAN	610	0	587	60
FEB	1119	26	1124	112
MAR	1103	31	1137	92
APR	985	30	1036	54
MAY	1333	59	1324	114
JUN	1130	30	1219	89
JUL	1053	14	1138	85
AUG	1227	31	1232	107
SEP	906	29	973	102
OCT	1039	50	1052	104
NOV	1214	41	1218	107
DEC	1134	14	1116	105
TOTAL	12983	355	13156	1111

FIGURE II-2-14

MSY

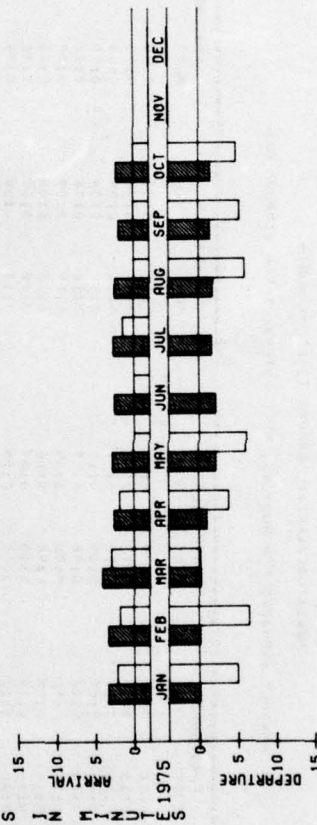
NOMINAL ARRIVAL GROUND TIME = 2.00 MIN



BUSY
DULL

NOMINAL DEPARTURE GROUND TIME = 4.00 MIN

NOMINAL ARRIVAL GROUND TIME = 2.00 MIN



NOMINAL DEPARTURE GROUND TIME = 4.00 MIN

TABLE II-2-15

DEPARTURE/ARRIVAL GROUND TIMES BY MONTH
MONTHLY AVERAGES FOR BUSY VS. DULL INTERVALS FOR AIRPORT ORD

	1974		1975	
	DEPARTURES	ARRIVALS	DEPARTURES	ARRIVALS
	BUSY	DULL	BUSY	DULL
JAN	0113	0111	0113	0109
FEB	0113	0111	0114	0110
MAR	0114	0111	0113	0109
APR	0114	0109	0114	0110
MAY	0114	0109	0114	0109
JUN	0115	0110	0114	0109
JUL	0115	0109	0113	0108
AUG	0116	0112	0114	0109
SEP	0116	0109	0113	0109
OCT	0113	0108	0114	0109
NOV	0113	0107	0114	0109
DEC	0113	0110	0114	0109
TOTAL	0115	0110	0114	0109

NOMINAL GROUND TIME = 9.0 MINUTES FOR DEPARTURES

NOMINAL GROUND TIME = 5.0 MINUTES FOR ARRIVALS

* SEE PAGE 78 FOR EXPLANATION OF MISSING DATA

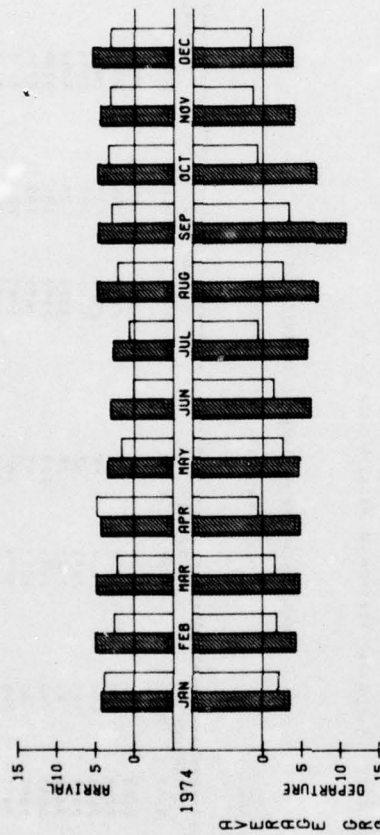
MONTHLY SUMMARY OF TRAFFIC ACTIVITY AT ORD
TO AND FROM 19 STUDY AIRPORTS

	1974		1975	
	DEPARTURES	ARRIVALS	DEPARTURES	ARRIVALS
	BUSY	DULL	BUSY	DULL
JAN	2300	99	2261	489
FEB	6793	460	7543	484
MAR	7284	501	8030	482
APR	6912	434	7107	457
MAY	4402	314	4347	397
JUN	3584	264	6979	377
JUL	3109	240	4404	347
AUG	9004	751	4777	399
SEP	7437	634	7490	350
OCT	7514	643	4460	248
NOV	7104	347	4056	433
DEC	6424	349	4602	354
TOTAL	72374	5087	49674	4860

FIGURE II-2-15

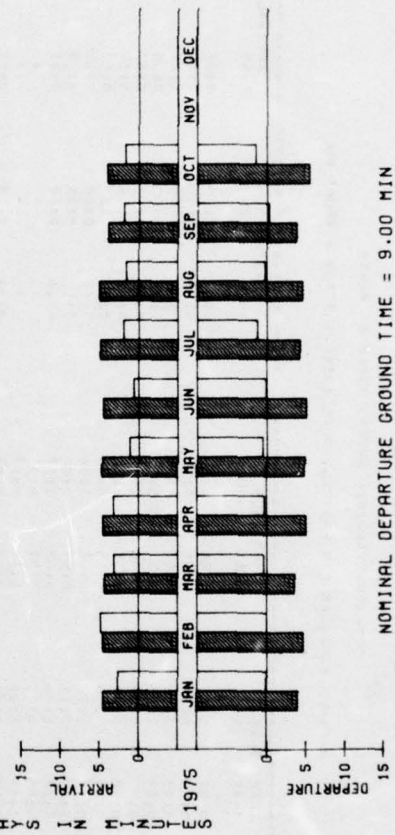
ORD

NOMINAL ARRIVAL GROUND TIME = 5.00 MIN



NOMINAL DEPARTURE GROUND TIME = 9.00 MIN

NOMINAL ARRIVAL GROUND TIME = 5.00 MIN



NOMINAL DEPARTURE GROUND TIME = 9.00 MIN

BUSY
IDLE

TABLE II-2-16

DEPARTURE/ARRIVAL GROUND TIMES BY MONTH
MONTHLY AVERAGES FOR HUSY VS. DULL INTERVALS FOR AIRPORT PHL

	1974		1975	
	DEPARTURES RUSY	ARRIVALS DULL	DEPARTURES RUSY	ARRIVALS DULL
JAN	0107	0108	0109	0107
FEB	0109	0106	0109	0107
MAR	0108	0107	0109	0107
APR	0108	0107	0108	0107
MAY	0107	0106	0109	0105
JUN	0108	0105	0110	0105
JUL	0109	0105	0110	0107
AUG	0111	0107	0110	0109
SEP	0110	0107	0110	0108
OCT	0108	0107	0110	0105
NOV	0108	0107	0110	0107
DEC	0107	0106	0109	0107
TOTAL	0109	0106	0109	0105

NOMINAL GROUND TIME = 7.0 MINUTES FOR DEPARTURES

NOMINAL GROUND TIME = 2.0 MINUTES FOR ARRIVALS

* SEE PAGE 78 FOR EXPLANATION OF MISSING DATA

MONTHLY SUMMARY OF TRAFFIC ACTIVITY AT PHL

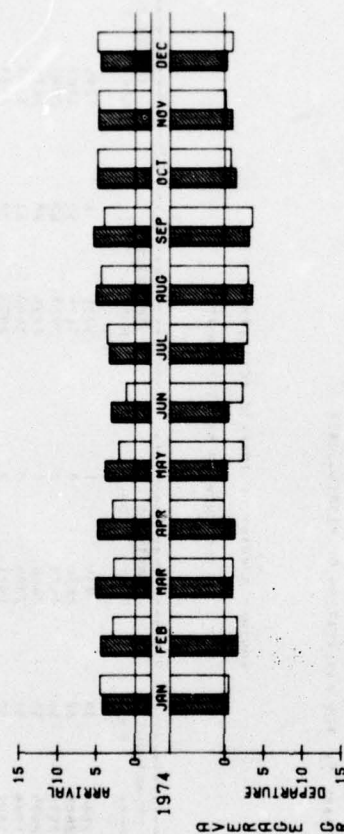
TO AND FROM 19 STUDY AIRPORTS

	1974		1975	
	DEPARTURES RUSY	ARRIVALS DULL	DEPARTURES RUSY	ARRIVALS DULL
JAN	1180	37	3037	185
FEB	2703	119	2754	254
MAR	2603	164	2523	234
APR	2401	103	2367	202
MAY	2319	44	3074	273
JUN	2057	80	2704	194
JUL	1997	42	2670	193
AUG	3451	246	3089	284
SEP	3125	194	2730	202
OCT	3190	205	2441	174
NOV	2991	200	2443	176
DEC	2924	181	2435	104
TOTAL	30445	1715	32707	2477

FIGURE II-2-16

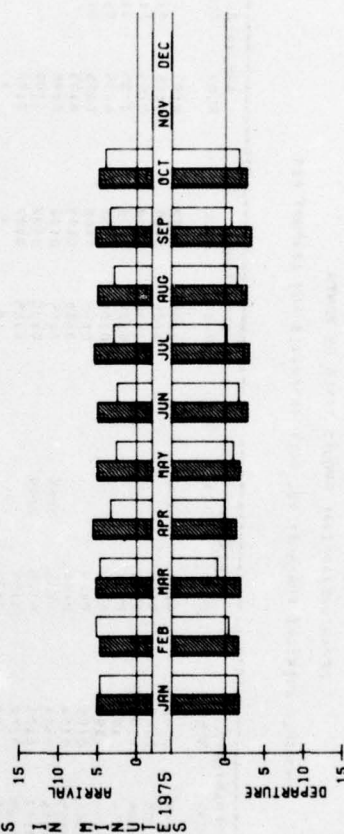
PHL

NOMINAL ARRIVAL GROUND TIME = 2.00 MIN



NOMINAL DEPARTURE GROUND TIME = 7.00 MIN

NOMINAL ARRIVAL GROUND TIME = 2.00 MIN



NOMINAL DEPARTURE GROUND TIME = 7.00 MIN

BUSY
DULL

TABLE II-2-17

DEPARTURE/ARRIVAL GROUND TIMES BY MONTH
MONTHLY AVERAGES FOR HUSY VS. DULL INTERVALS FOR AIRPORT PIT

	1974		1975	
	DEPARTURES HUSY DULL	ARRIVALS HUSY DULL	DEPARTURES HUSY DULL	ARRIVALS HUSY DULL
JAN	0103 0102	0104 0102	0105 0102	0105 0105
FEB	0105 0102	0105 0105	0105 0105	0105 0102
MAR	0105 0103	0105 0105	0106 0104	0105 0105
APR	0105 0105	0105 0105	0105 0103	0105 0103
MAY	0104 0105	0104 0104	0105 0104	0105 0104
JUN	0105 0105	0104 0104	0105 0103	0105 0105
JUL	0105 0104	0104 0104	0106 0103	0105 0105
AUG	0106 0103	0105 0105	0105 0104	0105 0105
SEP	0107 0103	0105 0104	0105 0102	0104 0104
OCT	0105 0102	0105 0105	0105 0102	0104 0104
NOV	0105 0103	0106 0106	0105 0102	0104 0104
DEC	0105 0103	0105 0105	0105 0104	0105 0105
TOTAL				

NOMINAL GROUND TIME = 2.0 MINUTES FOR DEPARTURES

NOMINAL GROUND TIME = 2.0 MINUTES FOR ARRIVALS

* SEE PAGE 78 FOR EXPLANATION OF MISSING DATA

MONTHLY SUMMARY OF TRAFFIC ACTIVITY AT PIT

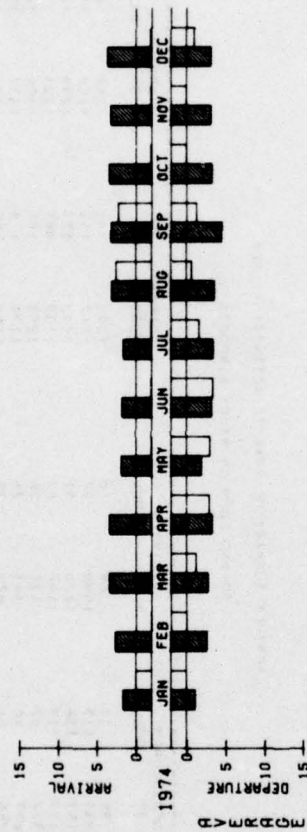
TO AND FROM 10 STUDY AIRPORTS

	1974		1975	
	DEPARTURES HUSY DULL	ARRIVALS HUSY DULL	DEPARTURES HUSY DULL	ARRIVALS HUSY DULL
JAN	1184 52	935 1	3235 6	3295 0
FEB	2404 27	2470 0	3124 55	3063 26
MAR	2530 31	2573 0	2927 62	2880 31
APR	2425 30	2406 0	2734 24	2675 24
MAY	1984 31	2005 0	3502 61	3393 31
JUN	1427 30	1901 0	2973 30	2433 12
JUL	1460 30	1947 0	3041 20	2844 0
AUG	3474 31	3444 24	3560 31	3433 0
SEP	3506 30	3554 6	3347 30	3187 0
OCT	3664 31	3660 0	3112 31	2979 0
NOV	3240 27	3307 0	2993 27	3295 0
DEC	3181 24	3240 0	2854 25	2499 0
TOTAL	32009 354	32342 53	37710 415	34780 124

FIGURE II-2-17

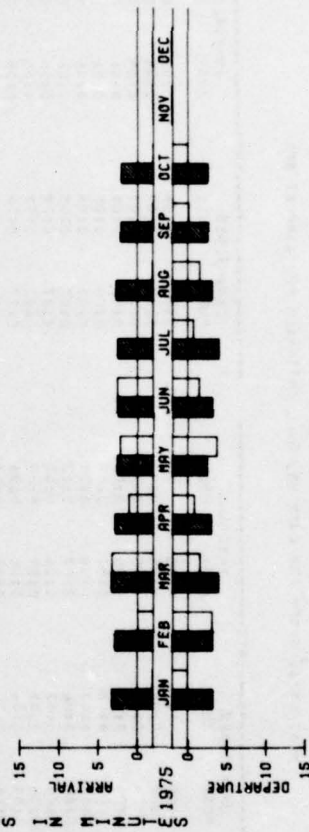
PIT

NOMINAL ARRIVAL GROUND TIME = 2.00 MIN



NOMINAL DEPARTURE GROUND TIME = 2.00 MIN

NOMINAL ARRIVAL GROUND TIME = 2.00 MIN



NOMINAL DEPARTURE GROUND TIME = 2.00 MIN

TABLE II-2-18

DEPARTURE/ARRIVAL GROUND TIMES BY MONTH
MONTHLY AVERAGES FOR BUSY VS. DULL INTERVALS FOR AIRPORT SEA

	1974		1975	
	DEPARTURES BUSY DULL	ARRIVALS BUSY DULL	DEPARTURES BUSY DULL	ARRIVALS BUSY DULL
JAN	0105 0107	0108 0105	0107 0108	0106 0104
FEB	0107 0107	0105 0103	0107 0107	0105 0104
MAR	0106 0105	0105 0104	0107 0107	0105 0104
APR	0108 0108	0107 0107	0106 0106	0106 0103
MAY	0110 0107	0106 0110	0107 0108	0105 0102
JUN	0109 0106	0107 0112	0107 0107	0105 0103
JUL	0108 0107	0106 0104	0107 0107	0105 0103
AUG	0106 0107	0105 0104	0107 0107	0105 0106
SEP	0106 0106	0105 0103	0107 0106	0105 0105
OCT	0107 0106	0105 0103	0107 0106	0105 0105
NOV	0106 0106	0105 0103	0107 0106	0105 0105
DEC	0107 0107	0105 0103	0107 0107	0105 0105
TOTAL	0107 0107	0105 0103	0107 0107	0105 0104

NOMINAL GROUND TIME = 6.0 MINUTES FOR DEPARTURES

NOMINAL GROUND TIME = 2.0 MINUTES FOR ARRIVALS

* SEE PAGE 78 FOR EXPLANATION OF MISSING DATA

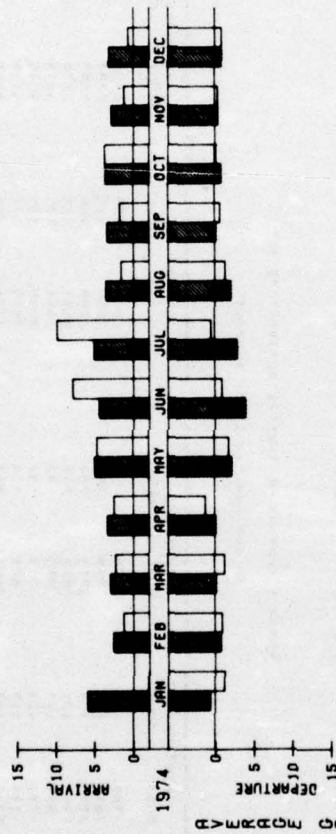
MONTHLY SUMMARY OF TRAFFIC ACTIVITY AT SEA

TO AND FROM 19 STUDY AIRPORTS

	1974		1975	
	DEPARTURES BUSY DULL	ARRIVALS BUSY DULL	DEPARTURES BUSY DULL	ARRIVALS BUSY DULL
JAN	99 31	49 0	1105 181	1288 86
FEB	1081 117	1089 77	1067 155	1190 106
MAR	1157 136	1220 91	1172 173	1299 120
APR	1104 118	1184 87	1132 165	1243 116
MAY	312 62	431 26	1253 180	1394 121
JUN	247 60	393 26	1178 178	1332 115
JUL	256 61	423 23	1184 185	1332 118
AUG	1808 205	1561 102	1320 201	1511 119
SEP	1175 175	1412 91	1211 181	1334 95
OCT	1166 178	1389 99	1122 154	1180 81
NOV	742 130	889 35	1168 196	1321 80
DEC	742 139	877 33	1168 162	1321 80
TOTAL	9454 1412	10927 690	13893 2115	15376 1225

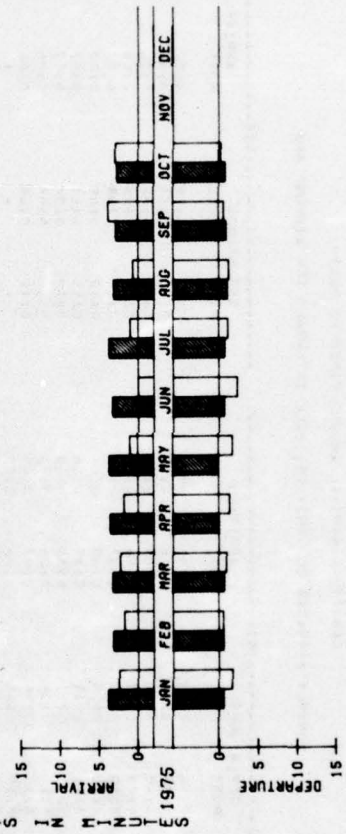
FIGURE II-2-18
SEA

NOMINAL ARRIVAL GROUND TIME = 2.00 MIN



NOMINAL DEPARTURE GROUND TIME = 6.00 MIN

NOMINAL ARRIVAL GROUND TIME = 2.00 MIN



NOMINAL DEPARTURE GROUND TIME = 6.00 MIN

TABLE II-2-19

DEPARTURE/ARRIVAL GROUND TIMES BY MONTH
MONTHLY AVERAGES FOR RUSV VS. DULL INTERVALS FOR AIRPORT SFO

	1974		1975	
	DEPARTURES RUSV DULL	ARRIVALS RUSV DULL	DEPARTURES RUSV DULL	ARRIVALS RUSV DULL
JAN	0115	0113	0109	0108
FEB	0109	0100	0110	0106
MAR	0109	0108	0110	0106
APR	0109	0107	0109	0106
MAY	0110	0114	0110	0107
JUN	0110	0113	0110	0109
JUL	0111	0111	0111	0110
AUG	0113	0110	0110	0107
SEP	0111	0109	0110	0106
OCT	0110	0108	0110	0104
NOV	0110	0109	0110	0106
DEC	0110	0109	0110	0105
TOTAL	0110	0109	0110	0106

NOMINAL GROUND TIME = 11.0 MINUTES FOR DEPARTURES

NOMINAL GROUND TIME = 11.0 MINUTES FOR ARRIVALS

SEE PAGE 78 FOR EXPLANATION OF MISSING DATA

MONTHLY SUMMARY OF TRAFFIC ACTIVITY AT SFO

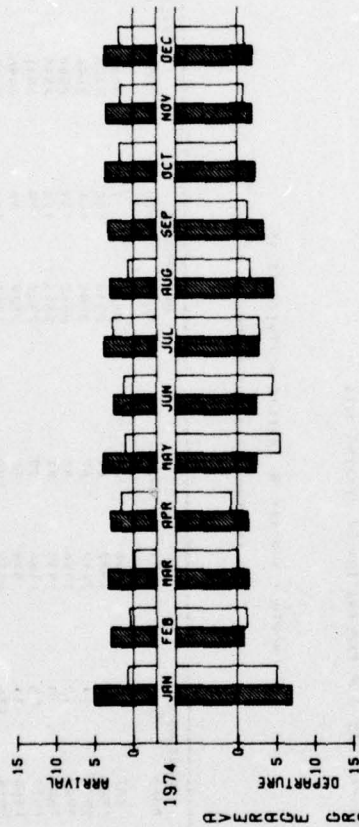
TO AND FROM 19 STUDY AIRPORTS

	1974		1975	
	DEPARTURES RUSV DULL	ARRIVALS RUSV DULL	DEPARTURES RUSV DULL	ARRIVALS RUSV DULL
JAN	346	53	289	373
FEB	2619	337	2600	415
MAR	2707	347	2799	465
APR	2550	324	2593	418
MAY	803	117	2951	375
JUN	772	114	2509	335
JUL	734	117	2609	366
AUG	3361	447	3325	489
SEP	2976	394	2824	404
OCT	2924	386	2649	406
NOV	2165	298	2811	356
DEC	2142	269	2249	291
TOTAL	24127	3209	32458	4653

FIGURE II-2-19

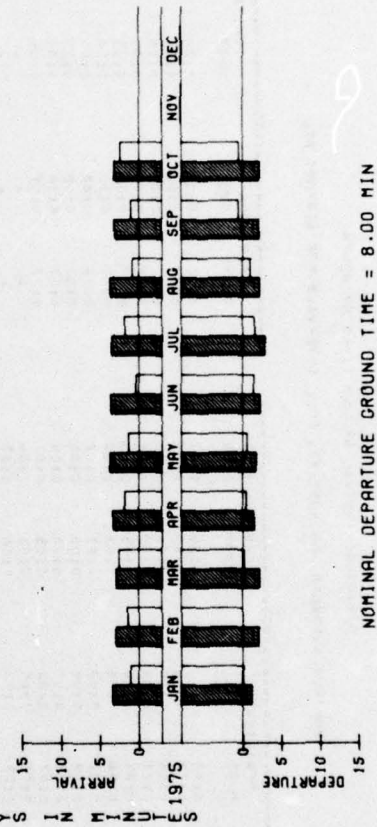
SFO

NOMINAL ARRIVAL GROUND TIME = 3.00 MIN



NOMINAL DEPARTURE GROUND TIME = 8.00 MIN

NOMINAL ARRIVAL GROUND TIME = 3.00 MIN



NOMINAL DEPARTURE GROUND TIME = 8.00 MIN

TABLE II-2-20

DEPARTURE/ARRIVAL GROUND TIMES BY MONTH
MONTHLY AVERAGES FOR RUSY VS. DULL INTERVALS FOR AIRPORT STL

	1974				1975			
	DEPARTURES		ARRIVALS		DEPARTURES		ARRIVALS	
	RUSY	DULL	RUSY	DULL	RUSY	DULL	RUSY	DULL
JAN	0108		0106	0107	0107	0107	0105	0105
FEB	0107	0106	0105	0105	0107	0106	0106	0106
MAR	0108	0106	0106	0106	0107	0105	0106	0105
APR	0107	0108	0105	0108	0107	0108	0105	0106
MAY	0105	0104	0105	0103	0107	0108	0105	0105
JUN	0106	0103	0103	0104	0107	0110	0104	0104
JUL	0107	0102	0103	0102	0106	0108	0104	0105
AUG	0109	0105	0106	0106	0107	0108	0105	0106
SEP	0108	0107	0106	0106	0107	0108	0104	0104
OCT	0107	0104	0105	0107	0107	0107	0105	0105
NOV	0107	0105	0106	0106	*	*	*	*
DEC	0107	0107	0106	0107	*	*	*	*
TOTAL	0107	0105	0105	0106	0107	0107	0105	0105

NOMINAL GROUND TIME = 3.0 MINUTES FOR DEPARTURES

NOMINAL GROUND TIME = 2.0 MINUTES FOR ARRIVALS

* SEE PAGE 78 FOR EXPLANATION OF MISSING DATA

MONTHLY SUMMARY OF TRAFFIC ACTIVITY AT STL

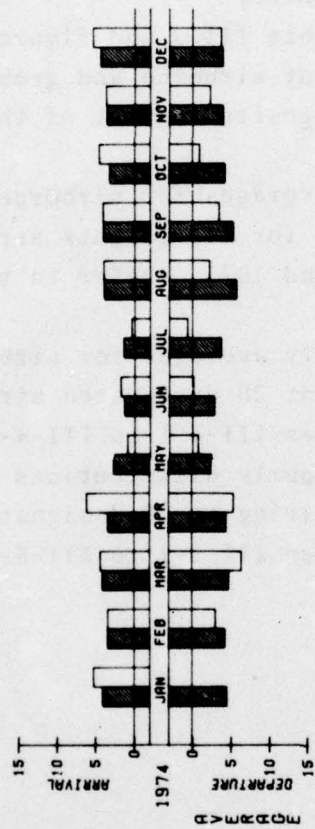
TO AND FROM 19 STUDY AIRPORTS

	1974				1975			
	DEPARTURES		ARRIVALS		DEPARTURES		ARRIVALS	
	RUSY	DULL	RUSY	DULL	RUSY	DULL	RUSY	DULL
JAN	807	0	806	49	2628	77	2580	160
FEB	1848	48	1922	80	2534	150	2476	170
MAR	1978	17	2082	87	2799	168	2696	169
APR	1927	19	1996	85	2662	139	2508	136
MAY	1646	79	1535	81	2803	118	2835	150
JUN	1879	55	1364	79	2387	79	2531	109
JUL	1868	51	1344	58	2329	84	2098	162
AUG	2018	136	2831	190	2953	118	2973	158
SEP	2675	129	2540	161	2720	106	2588	149
OCT	2764	158	2593	166	2715	108	2583	145
NOV	2471	120	2406	139	2689	104	2732	138
DEC	2389	100	2285	139	2681	80	2740	155
TOTAL	26417	872	23748	1298	31880	1323	31740	1861

FIGURE II-2-20

STL

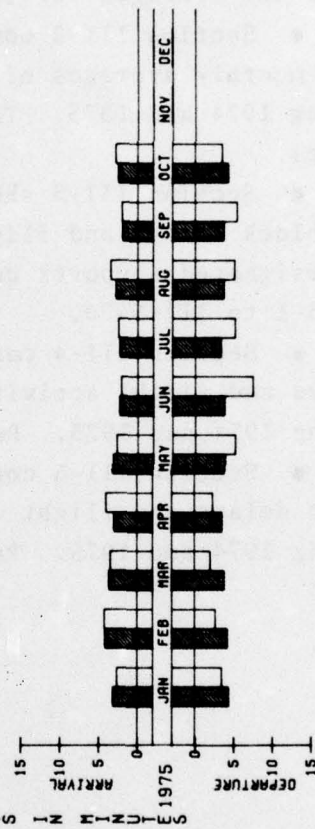
NOMINAL ARRIVAL GROUND TIME = 2.00 MIN



BUSY
IDLE

NOMINAL DEPARTURE GROUND TIME = 3.00 MIN

NOMINAL ARRIVAL GROUND TIME = 2.00 MIN



NOMINAL DEPARTURE GROUND TIME = 3.00 MIN

CHAPTER III. ROUTE SEGMENT DELAYS AND TREND COMPARISONS, AIRBORNE AND GROUND

Chapter III is made up of five parts:

- Section III-1 is composed of two tables showing average yearly air and ground times and delays for 1974 and 1975. Table III-1-1 shows the averages for all route segments; Table III-1-2 shows the averages for the top 50 routes.
- Section III-2 composed of table III-2 and figure III-2 show monthly averages of route segment airborne and ground delays during 1974 and 1975. This is a composite segment of the top 50 routes.
- Section III-3 shows annual averages for airborne, ground, and block delays and flight activity for all flights arriving at 20 designated airports during 1974 and 1975. Refer to tables III-3-1 to III-3-20.
- Section III-4 contains monthly averages for airborne delays and flight activity arriving at 20 designated airports during 1974 and 1975. Refer to tables III-4-1 to III-4-20.
- Section III-5 contains the hourly distributions of airborne delays and flight activity arriving at 20 designated airports during 1974 and 1975. Refer to tables III-5-1 to III-5-20.

TABLE III-1-1

AVERAGE YEARLY AIR AND GROUND

TIMES AND DELAYS

ALL ROUTE SEGMENTS

FROM TO	FLIGHTS	1974			1975		
		AVG AIR TIME	AVG AIR DEL	AVG GND TIME	AVG AIR TIME	AVG AIR DEL	AVG GND DEL
ATL BUS	1367	1:57	0:07	0:20	1:57	0:07	0:20
ATL CLE	1128	1:18	0:05	0:16	1:16	0:03	0:17
ATL OCA	4028	1:14	0:06	0:17	1:13	0:06	0:16
ATL OFM	3539	1:42	0:07	0:17	1:43	0:08	0:25
ATL OTM	1357	1:20	0:02	0:19	1:19	0:01	0:19
ATL FMR	2499	1:37	0:10	0:18	1:35	0:08	0:18
ATL JFK	2167	1:40	0:14	0:19	1:39	0:13	0:20
ATL LAX	2577	4:07	0:31	0:17	4:07	0:31	0:20
ATL LGA	5763	1:41	0:09	0:17	1:38	0:07	0:17
ATL MIA	4745	1:20	0:05	0:18	1:20	0:05	0:17
ATL MSP	1619	2:04	0:06	0:14	2:04	0:05	0:15
ATL MSY	3637	1:03	0:06	0:15	1:04	0:07	0:16
ATL ORD	4424	1:35	0:19	0:18	1:30	0:15	0:19
ATL PHL	3636	1:28	0:11	0:17	1:27	0:10	0:18
ATL PIT	1946	1:14	0:04	0:17	1:13	0:03	0:17
ATL SFO	4498	4:29	0:05	0:17	4:21	0:05	0:21
ATL STL	2715	1:13	0:07	0:15	1:14	0:06	0:14

TABLE III-1-1 (CONTINUED)

AVERAGE YEARLY AIR AND GROUND

TIME AND DELAYS

ALL ROUTE SEGMENTS

FROM TO	FLIGHTS	AVG AIR TPE	AVG AIR DEL	AVG GND TPE	AVG GND DEL	FLIGHTS	AVG AIR TPE	AVG AIR DEL	AVG GND TPE	AVG GND DEL
HQS ATL	1714	2:17	0:11	0:17	0:04	1790	2:19	0:12	0:17	0:04
HQS CLE	843	1:29	0:09	0:14	0:02	1287	1:24	0:09	0:15	0:03
HQS DCA	6590	1:04	0:04	0:15	0:03	6321	1:03	0:04	0:15	0:03
HQS DEN	556	4:00	0:03	0:16	0:05	1040	3:54	0:02	0:17	0:06
HQS DFW	392	3:31	-0:04	0:16	0:04	436	3:34	-0:01	0:16	0:06
HQS DTW	1601	1:55	0:06	0:16	0:04	1427	1:36	0:07	0:15	0:03
HQS EWR	3086	0:46	0:06	0:17	0:04	3096	0:46	0:06	0:16	0:03
HQS JFK	2493	0:41	0:12	0:18	0:02	3137	0:40	0:12	0:19	0:03
HQS LAX	544	5:27	-0:09	0:20	0:04	656	5:25	-0:11	0:20	0:08
HQS LGA	11537	0:42	0:10	0:16	0:03	11414	0:41	0:09	0:16	0:03
HQS MIA	1547	2:42	0:10	0:17	0:06	1419	2:42	0:10	0:16	0:05
HQS MSP	444	2:37	-0:03	0:15	0:04	649	2:37	-0:03	0:16	0:05
HQS MSY	245	2:59	-0:00	0:16	0:05	354	3:04	0:04	0:16	0:05
HQS ORD	4105	2:17	0:30	0:21	0:07	4627	2:12	0:25	0:20	0:06
HQS PHL	6921	0:57	0:15	0:14	0:03	6159	0:55	0:13	0:15	0:04
HQS PIT	1753	1:26	0:05	0:13	0:02	2104	1:17	0:02	0:13	0:02
HQS SFO	39	5:22	-0:24	0:14	0:03	690	5:55	-0:13	0:20	0:08
HQS SFO	465	5:37	-0:10	0:22	0:10	1013	2:29	0:05	0:17	0:06
HQS STL	454	2:31	0:07	0:17	0:06					

TABLE III-1-1 (CONTINUED)

AVERAGE YEARLY AIR AND GROUND
TIMES AND DELAYS
ALL ROUTE SEGMENTS

FROM TO	FLIGHTS	1974			1975		
		AVG AIR TME	AVG AIR DEL	AVG GND TME	AVG AIR TME	AVG AIR DEL	AVG GND TME
CLF ATL	1166	1:24	0:05	0:14	1:27	0:06	0:13
CLF MLS	1196	1:15	0:11	0:13	1:16	0:12	0:14
CLF OCA	1954	0:51	0:04	0:12	0:51	0:03	0:12
CLF OFW	427	2:45	0:03	0:14	2:44	0:01	0:14
CLF OFW	604	2:20	0:05	0:14	2:16	0:01	0:13
CLF OTY	2934	0:25	0:04	0:10	0:26	0:05	0:09
CLF FWO	995	1:00	0:03	0:14	1:00	0:03	0:14
CLF JFK	654	1:15	0:15	0:17	1:14	0:14	0:16
CLF LAX	1294	4:27	0:01	0:15	4:28	0:02	0:14
CLF LGA	2644	1:06	0:17	0:12	1:04	0:15	0:12
CLF MIA	423	2:17	-0:05	0:14	2:19	-0:00	0:14
CLF MSP	445	1:31	0:01	0:15	1:31	0:01	0:15
CLF WSY	2425	1:04	0:15	0:17	1:01	-0:06	0:14
CLF ORD	1536	0:56	0:07	0:16	0:56	0:07	0:16
CLF PHL	2522	0:26	0:10	0:13	0:25	0:10	0:12
CLF PIT	235	4:59	-0:06	0:16	4:40	-0:05	0:14
CLF SFO	1466	1:14	0:04	0:12	1:16	0:10	0:11
CLF STL							

TABLE III-1-1 (CONTINUED)

AVERAGE YEARLY AIR AND GROUND
TIMES AND DELAYS
ALL ROUTE SEGMENTS

		-----1975-----1975-----									
FROM	TO	FLIGHTS	AVG ATM TME	AVG AIR DEL	AVG GND TME	AVG GND DEL	FLIGHTS	AVG ATM TME	AVG AIR DEL	AVG GND TME	AVG GND DEL
DCA	ATL	4905	1:25	0:06	0:13	0:00	5342	1:26	0:07	0:15	0:02
DCA	MUS	6425	0:59	0:06	0:14	0:03	6410	0:59	0:06	0:14	0:03
DCA	CLE	1721	0:54	0:05	0:15	0:03	2402	0:55	0:05	0:15	0:03
DCA	DTW	2096	1:06	0:01	0:14	0:02	2436	1:07	0:02	0:15	0:03
DCA	FWP	2708	0:39	0:08	0:15	0:02	2960	0:39	0:08	0:14	0:01
DCA	JFK	478	0:43	0:05	0:15	0:01	828	0:43	0:06	0:17	0:01
DCA	LEA	10767	0:44	0:13	0:15	0:02	10280	0:44	0:12	0:14	0:01
DCA	MTA	2187	2:04	0:05	0:15	0:04	2419	2:02	0:04	0:14	0:03
DCA	MSP	1397	2:11	0:05	0:15	0:04	1380	2:12	0:07	0:16	0:05
DCA	ORD	6251	1:44	0:22	0:19	0:05	8044	1:41	0:19	0:18	0:04
DCA	PHL	1884	0:31	0:05	0:12	0:01	1055	0:31	0:06	0:14	0:03
DCA	PIT	1609	0:39	0:04	0:16	0:05	2049	0:40	0:04	0:17	0:06
DCA	STL	1257	1:48	0:09	0:14	0:03	2152	1:49	0:10	0:14	0:03

TABLE III-1-1 (CONTINUED)

AVERAGE YEARLY AIR AND GROUND

TIMES AND DELAYS

ALL MONTH SEGMENTS

FROM TO	FLIGHTS	AVG AIR TIME	AVG AIR DEL	AVG GND TIME	AVG GND DEL	FLIGHTS	AVG AIR TIME	AVG AIR DEL	AVG GND TIME	AVG GND DEL
DEN BOS	566	3:18	-0:01	0:15	0:10	864	3:16	-0:02	0:16	0:11
DEN CLE	379	2:19	0:04	0:13	0:07	642	2:19	0:04	0:13	0:07
DEN DFW	4590	1:26	0:03	0:12	0:06	5368	1:26	0:03	0:13	0:07
DEN DTW	520	2:11	0:06	0:14	0:08	719	2:12	0:07	0:15	0:09
DEN EWR	464	3:05	0:07	0:17	0:10	652	3:06	0:08	0:16	0:09
DEN JFK	1131	3:14	0:07	0:19	0:09	1684	3:15	0:08	0:20	0:10
DEN LAX	3041	1:54	0:04	0:14	0:08	3403	1:54	0:04	0:15	0:09
DEN MSP	1532	1:26	0:05	0:10	0:05	2594	1:26	0:05	0:11	0:06
DEN MSY	363	2:05	-0:10	0:10	0:05	286	2:06	-0:09	0:11	0:06
DEN ORD	5002	1:55	0:13	0:15	0:07	6350	1:53	0:12	0:16	0:08
DEN PHL	433	3:01	0:04	0:16	0:11	429	3:05	0:06	0:18	0:13
DEN PIT	144	2:36	-0:05	0:17	0:12	187	2:29	-0:12	0:13	0:08
DEN SFO	1890	2:17	-0:01	0:12	0:07	2133	2:17	-0:01	0:13	0:08
DEN SFO	1853	2:08	0:04	0:13	0:07	2099	2:08	0:04	0:14	0:08
DEN STL	2011	1:36	0:04	0:13	0:08	2169	1:38	0:05	0:13	0:08

TABLE III-1-1 (CONTINUED)

AVERAGE YEARLY AIR AND GROUND
TIMES AND DELAYS
ALL ROUTE SEGMENTS

-----1974-----1975-----											
FROM	TO	FLIGHTS	AVG AIR TME	AVG AIR DEL	AVG GND TME	AVG GND DEL	FLIGHTS	AVG AIR TME	AVG AIR DEL	AVG GND TME	AVG GND DEL
DFW	ATL	3849	1:37	0:10	0:13	0:03	4506	1:36	0:09	0:14	0:04
DFW	MUS	332	2:59	-0:06	0:19	0:11	342	3:03	-0:02	0:18	0:10
DFW	CLF	711	2:03	-0:01	0:18	0:09	599	2:03	-0:00	0:15	0:06
DFW	DFW	4636	1:34	0:03	0:13	0:05	5369	1:35	0:04	0:12	0:04
DFW	DTW	804	2:03	0:06	0:16	0:07	1030	2:02	0:05	0:15	0:06
DFW	FAR	1527	2:43	0:06	0:15	0:05	2410	2:41	0:04	0:15	0:05
DFW	JFK	1690	2:49	0:12	0:18	0:05	1690	2:49	0:13	0:18	0:05
DFW	LAX	4211	2:42	0:15	0:15	0:06	4519	2:42	0:15	0:15	0:06
DFW	LGA	2439	2:46	0:05	0:15	0:05	2738	2:45	0:04	0:14	0:04
DFW	MIA	1934	2:16	0:05	0:14	0:06	1784	2:16	0:05	0:13	0:05
DFW	MSP	803	1:52	-0:02	0:13	0:05	969	1:50	-0:03	0:12	0:04
DFW	MSY	3216	1:00	0:09	0:12	0:04	3927	0:59	0:09	0:12	0:04
DFW	IND	6365	1:51	0:18	0:16	0:05	6169	1:48	0:14	0:16	0:05
DFW	PHL	923	2:35	0:05	0:18	0:10	1145	2:35	0:06	0:17	0:09
DFW	PIT	696	2:10	0:03	0:16	0:08	498	2:10	0:03	0:17	0:09
DFW	SEA	732	3:37	-0:10	0:12	0:04	815	3:36	-0:11	0:12	0:04
DFW	SFO	3091	3:09	-0:00	0:15	0:06	3225	3:08	-0:01	0:16	0:07
DFW	STL	1997	1:16	0:05	0:13	0:05	2917	1:17	0:05	0:12	0:04

TABLE III-1-1 (CONTINUED)

AVERAGE YEARLY AIR AND GROUND
TIMES AND DELAYS
ALL ROUTE SEGMENTS

FROM TO	FLIGHTS	AVG AIR TIME	1974			1975		
			AVG AIR DEL	AVG GND TIME	AVG GND DEL	AVG AIR DEL	AVG GND TIME	AVG GND DEL
DTW ATL	1223	1:27	0:08	0:14	0:02	0:08	0:15	0:05
DTW RNS	1825	1:20	0:03	0:15	0:05	0:03	0:13	0:03
DTW CLE	2689	0:25	0:02	0:09	-0:02	0:02	0:09	-0:02
DTW DCA	1985	1:03	0:03	0:13	0:02	0:03	0:13	0:02
DTW DEN	516	2:34	0:02	0:16	0:06	0:01	0:14	0:04
DTW DFW	1188	2:18	0:21	0:14	0:03	0:24	0:13	0:02
DTW FWR	1344	1:07	0:05	0:14	0:02	0:05	0:14	0:02
DTW JFK	1072	1:15	0:12	0:17	0:02	0:14	0:18	0:03
DTW LAX	1205	4:12	0:04	0:16	0:05	0:06	0:14	0:03
DTW LGA	3152	1:11	0:07	0:14	0:02	0:08	0:14	0:02
DTW MIA	1159	2:20	0:02	0:14	0:04	0:03	0:12	0:02
DTW MSP	604	1:18	0:03	0:14	0:04	0:03	0:14	0:04
DTW MSY	58	2:03	0:08	0:13	0:03	0:15	0:13	0:03
DTW ORD	5108	0:49	0:11	0:17	0:04	0:09	0:17	0:04
DTW PHL	1412	1:06	0:05	0:16	0:06	0:05	0:15	0:05
DTW PIT	2285	0:37	0:04	0:13	0:03	0:03	0:12	0:02
DTW SFO	1184	4:28	-0:00	0:15	0:04	-0:01	0:13	0:02
DTW STL	830	1:10	0:01	0:13	0:03	0:02	0:11	0:01

TABLE III-1-1 (CONTINUED)

AVERAGE YEARLY AIR AND GROUND

TIMES AND DELAYS

ALL ROUTE SEGMENTS

-----1974-----1975-----											
FROM	TO	FLIGHTS	AVG AIR TIME	AVG AIR DEL	AVG GND TIME	AVG GND DEL	FLIGHTS	AVG AIR TIME	AVG AIR DEL	AVG GND TIME	AVG GND DEL
FWR	ATL	2376	1:59	0:17	0:17	0:04	2510	1:51	0:17	0:16	0:03
FWR	MUS	2286	0:37	0:13	0:17	0:06	3297	0:38	0:14	0:15	0:04
FWR	CLF	1206	1:06	0:00	0:17	0:05	1553	1:06	-0:00	0:17	0:05
FWR	DCA	2520	0:41	0:07	0:14	0:02	2741	0:40	0:06	0:13	0:01
FWR	DFW	475	3:42	0:12	0:17	0:06	713	3:40	0:10	0:16	0:05
FWR	DFW	1621	3:09	0:02	0:15	0:03	2267	3:11	0:04	0:15	0:03
FWR	DTW	1362	1:19	0:04	0:15	0:03	1574	1:20	0:05	0:15	0:03
FWR	JFK	953	0:21	0:14	0:15	-0:01	28	0:23	0:15	0:17	0:01
FWR	LAX	953	5:24	0:18	0:17	0:05	1289	5:22	0:16	0:17	0:05
FWR	LAX	1957	2:22	0:06	0:16	0:05	2051	2:24	0:08	0:15	0:04
FWR	MSY	326	2:28	-0:06	0:16	0:05	250	2:32	-0:01	0:14	0:03
FWR	MDW	3281	2:00	0:28	0:20	0:06	3665	1:56	0:24	0:20	0:06
FWR	PHL	1701	0:27	0:06	0:15	0:04	1561	0:28	0:07	0:16	0:05
FWR	PIT	2700	0:58	0:08	0:14	0:03	2835	0:56	0:07	0:13	0:02
FWR	STO	400	5:35	-0:05	0:16	0:04	511	5:34	-0:06	0:17	0:05
FWR	STL	365	2:06	0:11	0:17	0:06	706	2:08	0:13	0:14	0:03

TABLE III-1-1 (CONTINUED)

AVERAGE YEARLY AIR AND GROUND
TIMES AND DELAYS
ALL ROUTE SEGMENTS

FROM	TO	1974				1975			
		FLIGHTS	AVG AIR TIME	AVG AIR DEL	AVG GND TIME	FLIGHTS	AVG AIR TIME	AVG AIR DEL	AVG GND TIME
JFK	ATL	2634	1:50	0:17	0:22	3111	1:51	0:18	0:23
JFK	MUS	2723	0:34	0:13	0:21	2483	0:34	0:13	0:19
JFK	CLE	761	1:11	0:04	0:23	1076	1:10	0:03	0:22
JFK	DCA	600	0:41	0:01	0:19	845	0:43	0:03	0:20
JFK	DFW	1044	3:43	0:07	0:23	1450	3:41	0:04	0:22
JFK	DFW	1849	3:08	0:09	0:25	2095	3:11	0:13	0:24
JFK	DTA	1241	1:23	0:04	0:25	1142	1:25	0:05	0:25
JFK	FWR	3419	5:17	0:13	0:25	18	0:18	0:07	0:18
JFK	LAX	3490	2:23	0:09	0:21	4232	5:17	0:12	0:25
JFK	LAX	171	2:27	0:07	0:22	4218	2:23	0:09	0:22
JFK	WSP	1372	2:35	0:07	0:22	74	2:31	0:11	0:20
JFK	WSP	2455	1:58	0:14	0:25	1414	2:36	0:08	0:22
JFK	WSP	1511	0:50	0:13	0:22	3578	1:56	0:12	0:25
JFK	PHI	674	0:58	0:15	0:20	1973	0:29	0:12	0:24
JFK	PIT	657	5:15	-0:09	0:23	640	0:59	0:17	0:16
JFK	SEA	2435	5:34	0:45	0:23	839	5:13	-0:10	0:25
JFK	SEA	224	2:09	0:04	0:24	3225	5:30	0:42	0:24
JFK	STL					506	2:09	0:03	0:24
									0:11

TABLE III-1-1 (CONTINUED)

AVERAGE YEARLY AIR AND GROUND
TIMES AND DELAYS
ALL ROUTE SEGMENTS

FROM TO	FLIGHTS	1974			1975		
		AVG AIR TME	AVG AIR DEL	AVG GND TME	AVG AIR TME	AVG AIR DEL	AVG GND DEL
LAX ATL	2594	3:40	0:03	0:16	3:38	0:01	0:05
LAX RNS	587	4:41	0:06	0:19	4:43	0:08	0:07
LAX CLE	1462	3:50	-0:03	0:17	3:51	-0:03	0:05
LAX DEN	3246	1:44	0:04	0:16	1:44	0:04	0:06
LAX DFW	4428	2:24	0:01	0:17	2:25	0:02	0:04
LAX DTW	1052	3:41	-0:01	0:18	3:41	-0:01	0:05
LAX FRR	766	4:36	0:26	0:17	4:37	0:27	0:04
LAX JFK	3655	4:39	0:06	0:21	4:41	0:08	0:05
LAX MIA	411	4:12	-0:07	0:18	4:14	-0:05	0:07
LAX MSP	1286	2:57	-0:04	0:16	2:57	-0:04	0:04
LAX SY	468	3:08	0:02	0:19	3:08	0:02	0:04
LAX ORD	7166	3:25	0:12	0:19	3:23	0:09	0:05
LAX PHL	1242	4:27	-0:00	0:18	4:28	0:01	0:08
LAX PIT	210	3:53	-0:10	0:18	3:54	-0:09	0:05
LAX SEA	1977	2:05	0:07	0:13	2:05	0:08	0:02
LAX SFO	10339	0:52	0:06	0:14	0:52	0:06	0:02
LAX STL	1590	3:03	0:04	0:17	3:04	0:05	0:05

TABLE III-1-1 (CONTINUED)

AVERAGE YEARLY AIR AND GROUND

TIMES AND DELAYS

ALL ROUTE SEGMENTS

		-----1974-----										-----1975-----									
FROM	TO	FLIGHTS	AVG AIR TME	AVG AIR DEL	AVG GND TME	AVG GND DFL	FLIGHTS	AVG AIR TME	AVG AIR DEL	AVG GND TME	AVG GND DFL	FLIGHTS	AVG AIR TME	AVG AIR DEL	AVG GND TME	AVG GND DFL					
LGA	ATL	4004	1:53	0:14	0:18	0:06	4253	1:53	0:17	0:18	0:06	4253	1:53	0:17	0:18	0:06					
LGA	MOS	11117	0:35	0:06	0:18	0:08	10496	0:36	0:07	0:18	0:08	10496	0:36	0:07	0:18	0:08					
LGA	CLE	3327	1:08	0:05	0:20	0:09	3931	1:08	0:05	0:19	0:08	3931	1:08	0:05	0:19	0:08					
LGA	DCA	10632	0:45	0:14	0:16	0:05	10386	0:46	0:13	0:17	0:06	10386	0:46	0:13	0:17	0:06					
LGA	DFW	2252	3:10	0:09	0:22	0:11	2549	3:12	0:11	0:21	0:10	2549	3:12	0:11	0:21	0:10					
LGA	DTM	3464	1:14	0:05	0:20	0:09	3360	1:18	0:04	0:19	0:08	3360	1:18	0:04	0:19	0:08					
LGA	MIA	2812	2:25	0:06	0:20	0:10	2882	2:26	0:06	0:19	0:09	2882	2:26	0:06	0:19	0:09					
LGA	MSP	1509	2:23	0:05	0:20	0:10	1709	2:24	0:06	0:18	0:08	1709	2:24	0:06	0:18	0:08					
LGA	MSY	437	2:41	-0:00	0:17	0:07	412	2:42	0:01	0:17	0:07	412	2:42	0:01	0:17	0:07					
LGA	ORD	7958	1:59	0:28	0:26	0:13	10026	1:56	0:25	0:28	0:11	10026	1:56	0:25	0:28	0:11					
LGA	PHL	264	0:29	0:00	0:18	0:08	539	0:29	0:00	0:19	0:09	539	0:29	0:00	0:19	0:09					
LGA	PIT	3646	1:00	0:08	0:18	0:08	4551	0:58	0:06	0:17	0:07	4551	0:58	0:06	0:17	0:07					
LGA	STL	1876	2:09	0:08	0:20	0:10	2221	2:11	0:11	0:20	0:10	2221	2:11	0:11	0:20	0:10					

TABLE III-1-1 (CONTINUED)

AVERAGE YEARLY AIR AND GROUND
TIMES AND DELAYS
ALL ROUTE SEGMENTS

FROM TO	FLIGHTS	AVG AIR TIME	1974		FLIGHTS	AVG AIR TIME	1975		AVG GND TIME	AVG GND DEL
			AVG ATM DEL	AVG GND TIME			AVG AIR DEL	AVG GND TIME		
ATA ATL	4173	1:30	0:12	0:15	5121	1:30	0:12	0:16	0:05	
MTA AUS	1569	2:34	0:05	0:15	1599	2:34	0:06	0:16	0:07	
MTA CLE	927	2:14	-0:01	0:14	1067	2:14	-0:02	0:13	0:03	
MTA DCA	2184	2:00	0:06	0:13	2442	2:00	0:07	0:13	0:03	
MTA DFW	1925	2:34	0:00	0:14	1990	2:36	0:02	0:14	0:04	
MTA DTW	1192	2:27	0:00	0:15	1262	2:26	-0:01	0:14	0:04	
MTA FRR	1970	2:14	0:03	0:16	2012	2:19	0:04	0:16	0:05	
MTA JFK	3525	2:19	0:11	0:14	3640	2:19	0:11	0:18	0:04	
MTA LAX	401	4:53	0:14	0:23	406	4:47	0:12	0:20	0:10	
MTA LGA	3220	2:22	0:07	0:17	3206	2:22	0:07	0:16	0:05	
MTA MSP	1412	1:37	0:09	0:15	56	3:20	0:00	0:14	0:05	
MTA MSY	2543	2:45	0:11	0:16	1866	1:34	0:10	0:14	0:05	
MTA ORD	1466	2:09	0:04	0:15	2920	2:40	0:06	0:17	0:05	
MTA PHL	935	2:12	0:05	0:15	1432	2:10	0:04	0:15	0:06	
MTA PIT	217	5:27	0:04	0:14	1141	2:11	0:05	0:15	0:06	
MTA SFO	746	2:25	0:02	0:13	272	5:19	0:00	0:17	0:07	
MTA STL					1049	2:25	0:02	0:13	0:04	

TABLE III-1-1 (CONTINUED)

AVERAGE YEARLY AIR AND GROUND
TIMES AND DELAYS
ALL ROUTE SEGMENTS

FROM TO	FLIGHTS	1974			1975		
		AVG AIR TME	AVG DEL	AVG GND TME	AVG AIR TME	AVG DEL	AVG GND TME
MSP ATL	1693	1:58	-0:00	0:14	1:59	0:02	0:14
MSP BOS	997	2:15	-0:02	0:16	2:14	-0:00	0:17
MSP CLE	997	1:20	0:02	0:13	1:20	0:02	0:14
MSP DCA	1410	1:55	0:03	0:14	1:55	0:03	0:16
MSP DEN	1734	1:37	0:05	0:11	1:38	0:04	0:12
MSP DFW	858	1:55	0:05	0:12	1:56	0:06	0:12
MSP HTA	544	1:12	-0:00	0:16	1:13	0:00	0:18
MSP JFK	173	2:04	0:02	0:20	2:02	0:00	0:24
MSP LAX	1294	3:16	-0:02	0:16	3:16	-0:02	0:16
MSP LGA	1622	2:10	0:09	0:15	2:08	0:07	0:16
MSP MTA					2:58	-0:17	0:15
MSP ORD	5672	0:58	0:14	0:17	0:55	0:13	0:18
MSP PHL	469	2:03	0:03	0:16	2:02	0:02	0:18
MSP SFA	828	3:04	-0:00	0:16	3:05	0:01	0:15
MSP SFO	964	3:25	-0:03	0:14	3:25	-0:02	0:15
MSP STL	946	1:03	0:00	0:12	1:06	0:03	0:11
				0:05			0:04

TABLE III-1-1 (CONTINUED)

AVERAGE YEARLY AIR AND GROUND

TIMES AND DELAYS

ALL MINUTE SEGMENTS

-----1974-----												-----1975-----											
FROM	TO	FLIGHTS	AVG AIR TME	AVG AIR DEL	AVG GND TME	AVG GND DEL	FLIGHTS	AVG AIR TME	AVG AIR DEL	AVG GND TME	AVG GND DEL												
MSY	ATL	3150	1106	0112	0111	0103	3572	1105	0111	0114	0106												
MSY	MDW	140	2139	-0101	0113	0107	354	2140	0101	0113	0107												
MSY	CLE						44	1155	-0104	0112	0105												
MSY	DEN	300	2120	-0102	0111	0105	285	2121	-0100	0111	0105												
MSY	DFW	3452	1108	0108	0110	0103	3464	1108	0107	0111	0104												
MSY	DTW	59	1158	-0102	0108	0101	9	1157	-0103	0108	0101												
MSY	ENR	354	2121	0112	0110	0102	250	2118	0109	0111	0103												
MSY	JFK	1019	2126	0110	0111	-0100	865	2125	0110	0114	0103												
MSY	LAX	705	3134	0103	0114	0107	881	3134	0103	0115	0108												
MSY	LGA	717	2122	0109	0113	0105	827	2121	0104	0112	0104												
MSY	MIA	1689	1127	0104	0111	0105	1827	1126	0104	0111	0105												
MSY	ORD	911	2104	0118	0110	0101	1037	1155	0109	0112	0103												
MSY	PHL	685	2114	-0105	0111	0105	722	2114	-0105	0111	0105												
MSY	PIT	475	1154	0104	0114	0104	685	1152	0102	0113	0107												
MSY	SFO	193	4106	0110	0113	0106	232	4100	0104	0114	0107												
MSY	STL	637	1124	0102	0109	0103	623	1124	0103	0109	0103												

TABLE III-1-1 (CONTINUED)

AVERAGE YEARLY AIR AND GROUND
TIMES AND DELAYS
ALL ROUTE SEGMENTS

FROM TO	FLIGHTS	AVG AIR TIME	AVG AIR DEL	AVG GND TIME	AVG GND DEL	FLIGHTS	AVG AIR TIME	AVG AIR DEL	AVG GND TIME	AVG GND DEL
ORD ATL	4831	1:25	0:14	0:20	0:07	5056	1:27	0:20	0:14	0:06
ORD MDS	4109	1:43	0:08	0:21	0:10	4726	1:44	0:08	0:19	0:08
ORD CLE	3104	0:47	0:09	0:21	0:09	3481	0:47	0:08	0:19	0:07
ORD DCA	5785	1:21	0:09	0:20	0:08	7736	1:20	0:08	0:14	0:06
ORD DEN	4940	2:02	0:05	0:20	0:09	5920	2:02	0:06	0:19	0:08
ORD DFW	5579	1:53	0:15	0:21	0:09	6190	1:54	0:16	0:20	0:08
ORD DTW	5079	0:34	0:07	0:20	0:08	6699	0:38	0:07	0:18	0:06
ORD FWA	3151	1:30	0:07	0:22	0:09	3461	1:29	0:06	0:21	0:08
ORD JAX	2514	1:37	0:10	0:22	0:06	3436	1:40	0:13	0:21	0:05
ORD LAX	6573	3:44	0:10	0:21	0:09	8069	3:43	0:08	0:21	0:09
ORD LGA	7623	1:35	0:10	0:22	0:09	10077	1:34	0:08	0:20	0:07
ORD MTA	2907	2:24	0:01	0:21	0:10	3308	2:27	0:04	0:20	0:09
ORD MSP	5835	0:55	0:05	0:20	0:09	7480	0:55	0:05	0:19	0:08
ORD MSY	946	1:46	-0:01	0:20	0:09	980	1:47	0:01	0:17	0:06
ORD PHL	2847	1:29	0:07	0:22	0:11	3756	1:29	0:08	0:20	0:09
ORD PIT	6304	0:59	0:05	0:19	0:08	7156	0:57	0:03	0:14	0:07
ORD SEA	1923	3:44	0:01	0:23	0:12	2902	3:44	0:00	0:21	0:10
ORD SFO	4191	3:58	0:05	0:22	0:10	5167	3:58	0:04	0:21	0:09
ORD STL	5493	0:43	0:04	0:19	0:08	6140	0:46	0:07	0:17	0:06

TABLE III-1-1 (CONTINUED)

AVERAGE YEARLY AIR AND GROUND
TIMES AND DELAYS
ALL ROUTE SEGMENTS

FROM	TO	FLIGHTS	1974				1975				
			AVG AIR TIME	AVG AIR DEL	AVG GND TME	AVG GND DFL	FLIGHTS	AVG AIR TIME	AVG AIR DEL	AVG GND TME	AVG GND DEL
PHL	ATL	3994	1:43	0:29	0:14	0:03	4163	1:42	0:29	0:16	0:05
PHL	BOS	7235	0:50	0:14	0:13	0:04	6285	0:49	0:13	0:13	0:04
PHL	CLE	1557	1:01	0:04	0:16	0:06	1865	1:00	0:03	0:16	0:06
PHL	DCA	1594	0:38	0:04	0:11	0:01	654	0:36	0:05	0:10	0:00
PHL	DEN	321	3:33	0:00	0:16	0:07	380	3:31	-0:02	0:17	0:08
PHL	DFW	1124	2:57	0:15	0:14	0:04	847	3:02	0:19	0:18	0:08
PHL	DTW	1617	1:13	0:03	0:16	0:06	2228	1:14	0:04	0:16	0:06
PHL	EMW	1145	0:24	0:06	0:15	0:04	1772	0:23	0:06	0:16	0:05
PHL	JFK	1528	0:30	0:09	0:17	0:03	2093	0:30	0:09	0:19	0:05
PHL	LAX	1376	5:10	0:04	0:14	0:04	1426	5:04	0:01	0:19	0:09
PHL	LGA	151	0:25	0:00	0:16	0:05	70	0:29	0:03	0:12	0:01
PHL	MIA	2111	2:13	0:07	0:14	0:05	1897	2:13	0:08	0:15	0:06
PHL	MSP	425	2:20	0:03	0:15	0:06	570	2:21	0:03	0:15	0:06
PHL	MSY	629	2:26	0:01	0:13	0:04	718	2:27	0:02	0:13	0:04
PHL	ORD	2976	1:53	0:17	0:20	0:08	4358	1:49	0:13	0:20	0:08
PHL	PIT	5877	0:49	0:05	0:13	0:04	5694	0:47	0:03	0:13	0:04
PHL	SFO	479	5:30	-0:01	0:19	0:09	765	5:27	-0:04	0:19	0:09
PHL	STL	764	1:58	0:03	0:17	0:04	988	1:59	0:04	0:16	0:07

TABLE III-1-1 (CONTINUED)

AVERAGE YEARLY AIR AND GROUND
TIMES AND DELAYS
ALL ROUTE SEGMENTS

FROM	TO	FLIGHTS	1974			1975		
			AVG AIR TME	AVG AIR DEL	AVG GND TME	AVG AIR TME	AVG AIR DEL	AVG GND TME
PIT	ATL	1961	1:21	0:12	0:13	1:23	0:14	0:13
PIT	MUS	1520	1:09	0:00	0:11	1:09	0:00	0:11
PIT	CLE	2595	0:26	0:11	0:11	0:26	0:11	0:12
PIT	DCA	1456	0:39	0:06	0:12	0:38	0:05	0:13
PIT	DTN	134	2:55	0:01	0:16	2:56	0:02	0:14
PIT	DFW	763	2:26	0:07	0:13	2:28	0:10	0:12
PIT	DTA	2162	0:38	0:03	0:12	0:39	0:04	0:12
PIT	FAM	2335	0:55	0:04	0:11	0:54	0:04	0:11
PIT	JFK	920	1:04	0:19	0:13	1:07	0:21	0:13
PIT	LAX	236	4:27	-0:09	0:16	4:28	-0:08	0:16
PIT	LGA	3723	0:58	0:11	0:12	0:55	0:08	0:12
PIT	MIA	935	2:11	0:11	0:13	2:11	0:11	0:14
PIT	MSY	416	2:06	0:07	0:12	2:07	0:08	0:12
PIT	ORD	6381	1:16	0:12	0:14	1:13	0:09	0:14
PIT	PHL	6062	0:46	0:13	0:11	0:45	0:13	0:11
PIT	SFO	143	4:51	-0:01	0:16	4:50	-0:03	0:13
PIT	STL	1301	1:24	0:01	0:10	1:25	0:02	0:10

TABLE III-1-1 (CONTINUED)

AVERAGE YEARLY AIR AND GROUND
TIMES AND DELAYS
ALL ROUTE SEGMENTS

FROM	TO	FLIGHTS	1974			1975		
			AVG AIR TME	AVG AIR DEL	AVG GND TME	AVG AIR TME	AVG AIR DEL	AVG GND DEL
SEA	RUS	39	4:43	-0:14	0:20			
SEA	DFW	1990	2:01	-0:01	0:13	2:02	0:00	0:05
SEA	PHX	775	3:11	-0:07	0:12	3:10	-0:08	0:05
SF	JFK	534	4:40	0:09	0:18	4:38	0:08	0:06
SEA	LAX	2021	2:01	0:07	0:13	2:00	0:06	0:04
SEA	MSP	641	2:39	-0:03	0:14	2:30	-0:02	0:06
SEA	ORD	1994	3:22	0:08	0:18	3:17	0:04	0:07
SEA	SFO	2764	1:34	0:12	0:12	1:32	0:10	0:03
SEA	STL	354	3:13	0:02	0:14	3:13	0:02	0:05

TABLE III-1-1 (CONTINUED)

AVERAGE YEARLY AIR AND GROUND
TIMES AND DELAYS
ALL ROUTE SEGMENTS

FROM TO	FLIGHTS	AVG AIR TME	AVG ATM DEL	AVG GND TME	AVG GND DEL	FLIGHTS	AVG AIR TME	AVG ATM DEL	AVG GND TME	AVG GND DEL
SFO ATL	636	3:56	-0:03	0:17	0:05	720	3:56	-0:04	0:22	0:10
SFO MIA	460	4:48	-0:11	0:22	0:12	693	4:48	-0:10	0:20	0:10
SFO CLE	234	3:58	-0:13	0:14	0:07	353	4:02	-0:09	0:18	0:07
SFO ORD	1941	1:55	0:06	0:17	0:07	2977	1:56	0:07	0:16	0:06
SFO DCA	2427	2:49	0:06	0:16	0:05	3225	2:48	0:05	0:16	0:05
SFO DTA	1598	3:52	0:00	0:17	0:06	1645	3:52	0:01	0:17	0:06
SFO FBO	254	4:44	-0:01	0:20	0:08	349	4:44	-0:01	0:20	0:08
SFO JFK	2360	4:51	0:21	0:22	0:07	3273	4:52	0:22	0:23	0:08
SFO LAX	9367	0:52	0:06	0:16	0:05	13671	0:52	0:05	0:15	0:04
SFO MIA	217	4:41	-0:15	0:30	0:20	271	4:41	-0:15	0:18	0:08
SFO MSP	1036	3:01	0:05	0:14	0:04	1736	3:02	0:06	0:15	0:05
SFO WSY	140	3:52	-0:07	0:15	0:05	99	3:25	-0:14	0:16	0:06
SFO WFO	4491	3:36	0:11	0:21	0:08	5607	3:32	0:08	0:21	0:08
SFO PHX	502	4:39	-0:03	0:20	0:10	819	4:40	-0:02	0:20	0:10
SFO PIT	143	4:16	-0:06	0:20	0:10	156	4:13	-0:08	0:18	0:08
SFO SFO	3121	1:31	0:07	0:14	0:04	5253	1:31	0:07	0:13	0:03
SFO STL	705	3:14	-0:01	0:17	0:07	903	3:16	0:01	0:16	0:06

TABLE III-1-1 (CONTINUED)

AVERAGE YEARLY AIR AND GROUND
TIMES AND DELAYS
ALL ROUTE SEGMENTS

FROM	TO	1974					1975				
		FLIGHTS	AVG AIR TME	AVG AIR DEL	AVG GND TME	AVG GND DEL	FLIGHTS	AVG AIR TME	AVG AIR DEL	AVG GND TME	AVG GND DEL
STL	ATL	2374	1:09	0:05	0:13	0:06	2834	1:09	0:06	0:14	0:07
STL	MDW	457	2:04	0:07	0:16	0:11	842	2:05	0:08	0:15	0:10
STL	CLE	1299	1:05	0:08	0:14	0:08	1924	1:06	0:09	0:13	0:07
STL	DCA	1347	1:30	0:02	0:14	0:08	2296	1:29	0:01	0:13	0:07
STL	DFW	2090	1:52	0:04	0:21	0:16	2119	1:51	0:04	0:19	0:14
STL	DFW	2157	1:19	0:04	0:13	0:07	2865	1:21	0:06	0:13	0:07
STL	DTW	909	1:02	0:07	0:15	0:09	1282	1:01	0:06	0:14	0:08
STL	FAF	368	1:50	0:05	0:16	0:09	644	1:48	0:03	0:15	0:08
STL	JFK	47	1:54	0:05	0:17	0:07	83	1:51	0:02	0:16	0:06
STL	LAX	1730	3:27	0:06	0:17	0:11	3094	3:28	0:08	0:15	0:09
STL	LGA	1854	1:54	0:04	0:16	0:09	2182	1:52	0:02	0:15	0:08
STL	MIA	845	2:13	0:00	0:13	0:08	1168	2:14	0:01	0:12	0:07
STL	MSP	878	1:05	-0:00	0:12	0:07	1048	1:06	0:00	0:12	0:07
STL	MSY	720	1:24	-0:01	0:10	0:05	690	1:23	-0:01	0:10	0:05
STL	ORD	5795	0:53	0:15	0:11	0:03	6735	0:50	0:11	0:12	0:04
STL	PAL	608	1:41	0:04	0:17	0:12	739	1:41	0:04	0:17	0:12
STL	PIT	1587	1:15	0:07	0:12	0:07	2168	1:12	0:04	0:12	0:07
STL	SEA	488	3:41	0:01	0:12	0:07	354	3:43	0:03	0:12	0:07
STL	SFO	493	3:43	-0:03	0:17	0:11	808	3:42	-0:04	0:16	0:10
TOTAL		680897	1:45	0:09	0:16	0:06	798549	1:46	0:08	0:16	0:06

TABLE III-1-2

AVERAGE YEARLY AIR AND GROUND
TIMES AND DELAYS
TOP 50 ROUTE SEGMENTS

-----1975-----											
FROM	TO	FLIGHTS	1974				1975				
			AVG AIR TME	AVG AIR DEL	AVG GND TME	AVG GND DEL	FLIGHTS	AVG AIR TME	AVG AIR DEL	AVG GND TME	AVG GND DEL
ATL	DFW	5539	1:42	0:07	0:17	0:06	4134	1:43	0:08	0:16	0:05
ATL	MIA	4745	1:20	0:05	0:18	0:08	5199	1:20	0:05	0:17	0:07
ATL	ORD	4424	1:33	0:19	0:18	0:05	4444	1:30	0:15	0:19	0:06
BOS	DCA	6590	1:04	0:04	0:15	0:03	6321	1:03	0:04	0:15	0:03
BOS	EWR	5080	0:46	0:06	0:17	0:04	3096	0:46	0:06	0:16	0:03
BOS	JFK	2893	0:41	0:12	0:14	0:02	3137	0:40	0:12	0:19	0:03
BOS	LGA	11537	0:42	0:10	0:16	0:03	11418	0:41	0:09	0:16	0:03
BOS	PHL	6921	0:57	0:15	0:14	0:03	6159	0:55	0:13	0:15	0:04
CLE	DTW	2934	0:25	0:04	0:10	0:00	3406	0:26	0:05	0:09	0:01
DCA	BOS	6425	0:59	0:06	0:14	0:03	6410	0:59	0:06	0:14	0:03
DCA	LGA	10767	0:44	0:13	0:15	0:02	10280	0:44	0:12	0:14	0:01
DCA	ORD	6251	1:44	0:22	0:19	0:05	8084	1:41	0:19	0:18	0:04
DFW	ORD	5002	1:55	0:13	0:15	0:07	6330	1:53	0:12	0:16	0:08
DFW	ATL	5449	1:37	0:10	0:13	0:03	4506	1:36	0:09	0:14	0:04
DTW	LGA	3152	1:11	0:07	0:14	0:02	3013	1:12	0:08	0:14	0:02
DTW	ORD	5104	0:49	0:11	0:17	0:04	6251	0:48	0:09	0:17	0:04
FAF	BOS	2286	0:37	0:13	0:17	0:06	3297	0:38	0:14	0:15	0:04
EWR	ORD	5241	2:00	0:24	0:20	0:06	3665	1:56	0:24	0:20	0:06

TABLE III-1-2 (CONTINUED)

AVERAGE YEARLY AIR AND GROUND

TIMES AND DELAYS

TOP 50 ROUTE SEGMENTS

FROM	TO	FLIGHTS	1974			1975		
			AVG AIR TIME	AVG AIR DEL	AVG GND TIME	AVG AIR TIME	AVG AIR DEL	AVG GND DEL
JFK	HUS	2723	0:34	0:13	0:121	0:34	0:13	0:19
JFK	MIA	3990	2:23	0:09	0:121	2:23	0:09	0:22
LAX	ORD	7166	3:25	0:12	0:119	3:23	0:09	0:19
LAX	SFO	10339	0:52	0:06	0:114	0:52	0:06	0:14
LGA	HUS	11117	0:35	0:06	0:118	0:36	0:07	0:18
LGA	DCA	10632	0:45	0:14	0:116	0:46	0:13	0:17
LGA	DTW	3464	1:18	0:05	0:120	1:18	0:04	0:19
LGA	ORD	7954	1:59	0:12	0:126	1:56	0:125	0:24
MIA	ATL	4173	1:30	0:12	0:115	1:30	0:12	0:16
MIA	JFK	3525	2:19	0:11	0:118	2:19	0:11	0:18
MSP	ORD	5672	0:58	0:16	0:117	0:55	0:13	0:18
ORD	ATL	4831	1:25	0:18	0:120	1:27	0:12	0:19
ORD	HUS	4109	1:43	0:08	0:121	1:44	0:08	0:19
ORD	DCA	5785	1:21	0:09	0:120	1:20	0:10	0:18
ORD	DEN	4940	2:02	0:05	0:120	2:02	0:06	0:19
ORD	DTW	5479	0:38	0:07	0:120	0:38	0:07	0:18
ORD	FWR	3151	1:30	0:07	0:122	1:29	0:06	0:21
ORD	LAX	6573	3:44	0:10	0:121	3:43	0:08	0:21
ORD	LGA	7623	1:35	0:10	0:122	1:34	0:08	0:20
ORD	MSP	5835	0:55	0:05	0:120	0:55	0:05	0:19

TABLE III-1-2 (CONTINUED)

AVERAGE YEARLY AIR AND GROUND

TIMES AND DELAYS

TOP 50 ROUTE SEGMENTS

FROM	TO	FLIGHTS	1974			1975		
			AVG AIR TME	AVG AIR DEL	AVG GND TME	AVG AIR TME	AVG AIR DEL	AVG GND TME
					AVG GND DEL			AVG GND DEL
ORD	PIT	6304	0:59	0:05	0:19	0:57	0:03	0:14
ORD	SFO	4191	3:58	0:05	0:22	3:58	0:04	0:21
ORD	STL	5493	0:43	0:04	0:19	0:46	0:07	0:17
PHL	HOS	7235	0:50	0:14	0:13	0:49	0:13	0:13
PHL	PIT	5477	0:49	0:05	0:13	0:47	0:03	0:13
PIT	ORD	6341	1:16	0:12	0:14	1:13	0:09	0:14
PIT	PHL	6082	0:46	0:13	0:11	0:45	0:13	0:11
SEA	SFO	2764	1:34	0:12	0:12	1:32	0:10	0:12
SFO	LAX	9367	0:52	0:06	0:16	0:52	0:05	0:15
SFO	ORD	4491	3:36	0:11	0:21	3:32	0:04	0:21
SFO	SEA	3121	1:31	0:07	0:14	1:31	0:07	0:13
STL	ORD	5795	0:53	0:15	0:11	0:50	0:11	0:12
TOTAL		278974	1:20	0:11	0:17	1:21	0:10	0:17
					0:06			0:05

TABLE III-2

AVERAGE MONTHLY AIRBORNE DELAYS AND GROUND DELAYS
COMPOSITE FOR THE TOP 50 U.S. ROUTE SEGMENTS

MONTH	1974		1975	
	NO. OF FLIGHTS	AVG AIR DELAY	NO. OF FLIGHTS	AVG GND DELAY
JANUARY	11483	0:10	26466	0:11
FEBRUARY	24563	0:10	26556	0:11
MARCH	25833	0:10	27604	0:10
APRIL	24821	0:09	25880	0:09
MAY	19858	0:10	29671	0:08
JUNE	17638	0:10	25174	0:09
JULY	16865	0:09	24962	0:08
AUGUST	32200	0:11	30872	0:08
SEPTEMBER	27963	0:13	26397	0:08
OCTOBER	28166	0:12	24820	0:09
NOVEMBER	25758	0:11	28334	0:11
DECEMBER	23790	0:11	23604	0:11
TOTAL	278978	0:11	320340	0:10

COMPOSITE NOMINAL AIRBORNE TIME = 1:11

COMPOSITE NOMINAL GROUND TIME = 0:12

---ALL TIMES ARE IN HOURS AND MINUTES---

FIGURE III-2

AVERAGE MONTHLY AIRBORNE AND GROUND DELAYS
COMPOSITE FOR TOP 50 ROUTE SEGMENTS

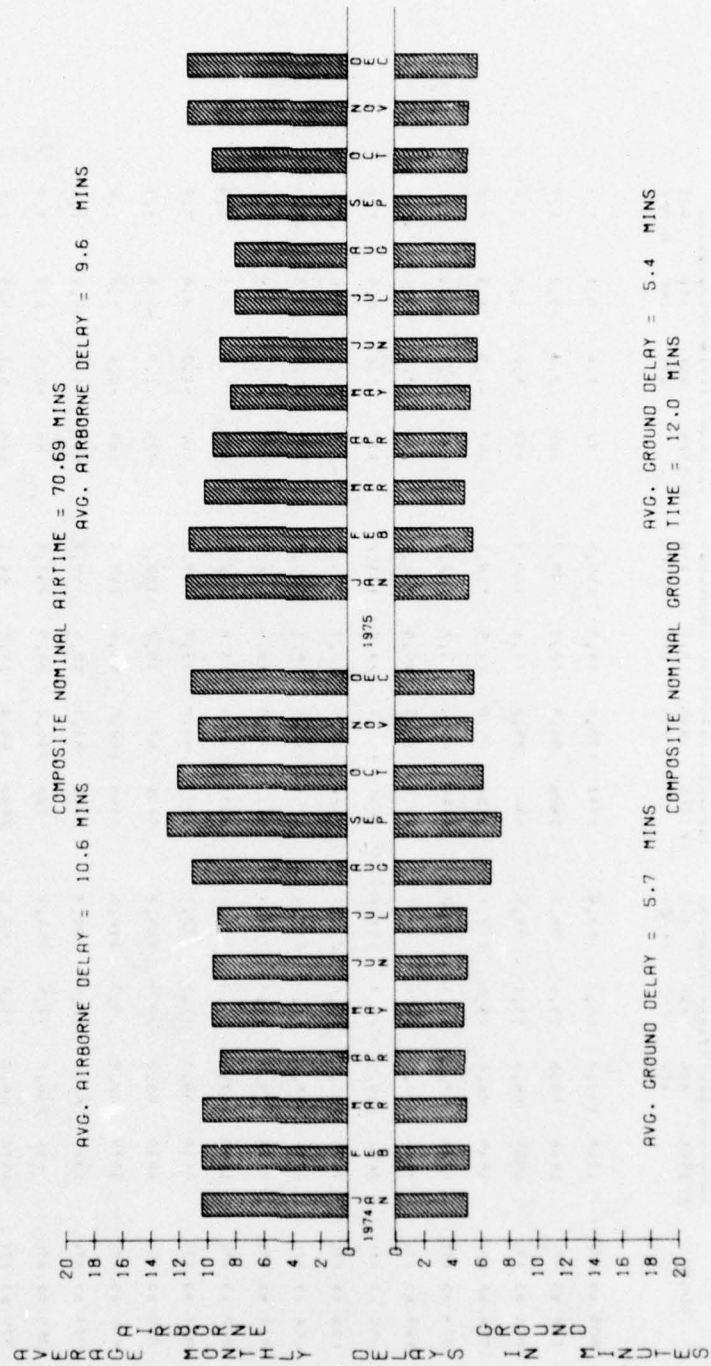


TABLE III-3-1

AVERAGE YIADLY ATM, MUCK AND GROUND TIMES

FOR ROUTE SEGMENTS ARRIVING AT ATL

ROUTE	1978				1979				DIFFERENCE			
	FLIGHTS	AVG ATM	AVG GND	AVG MUCK	FLIGHTS	AVG ATM	AVG GND	AVG MUCK	FLIGHTS	AVG ATM	AVG GND	AVG MUCK
ROS => ATL	1718	157.2	16.7	153.9	1780	158.8	16.8	155.6	72	1.6	0.1	1.7
CLF => ATL	1166	84.5	15.6	98.1	1626	86.8	12.9	99.7	460	2.3	-0.7	1.7
OCA => ATL	4005	85.5	13.1	98.5	5342	85.6	14.6	100.3	437	0.2	1.6	1.8
DFW => ATL	3849	96.9	13.1	110.1	4506	95.6	14.8	110.1	657	-1.3	1.3	0.0
DTW => ATL	1223	87.3	13.0	101.2	1350	87.4	15.2	102.7	127	0.1	1.4	1.4
FWO => ATL	2376	110.1	16.6	126.7	2510	110.7	15.9	126.7	134	0.6	-0.6	-0.0
JFK => ATL	2634	109.5	22.3	131.8	3011	110.5	22.7	133.2	377	1.0	0.4	1.4
LAX => ATL	2594	227.1	16.1	236.2	2328	217.9	17.7	235.5	-266	-2.2	1.6	-0.6
LGA => ATL	4004	113.4	18.0	131.4	4253	112.8	18.3	131.2	249	-0.5	0.3	-0.2
MIA => ATL	4173	89.9	15.0	104.8	5121	89.8	16.5	106.3	948	-0.0	1.5	1.4
MSP => ATL	1493	117.5	13.5	131.1	2031	119.4	13.6	132.9	538	1.8	0.1	1.9
MSY => ATL	3150	66.3	11.1	77.4	3572	64.6	13.7	78.3	422	-1.7	2.6	0.9
ORD => ATL	4831	85.2	20.0	105.2	5056	87.1	19.2	106.2	225	1.9	-0.8	1.1
PHL => ATL	3094	102.9	15.7	118.6	4163	102.5	15.6	118.0	169	-0.4	1.8	1.4
PIT => ATL	1961	81.4	12.9	94.3	2466	83.1	12.5	95.7	505	1.7	-0.4	1.4
SLN => ATL	636	236.4	17.5	253.9	720	236.0	21.8	257.8	84	-0.5	4.4	3.9
STL => ATL	2374	68.7	13.4	82.1	2834	69.4	13.7	83.1	460	0.7	0.3	1.0
ALL => ATL	47281				52679				5398	0.2	0.8	1.0

TABLE III-3-2

AVERAGE YEARLY AIR/CLIQUE AND GROUND TIMES
 FIVE MINUTE SEGMENTS ARRIVING AT NOS

ROUTE	1974				1975				DIFFERENCE			
	FIFES	AVG	ATD	AVG	FIFES	AVG	ATD	AVG	FIFES	AVG	ATD	AVG
				MI/CL				MI/CL				MI/CL
ATL >> NOS	1367	117.1	20.2	137.3	1020	116.9	18.2	135.1	57	-0.2	-2.0	-2.2
CLF >> NOS	1196	74.9	12.4	67.7	1329	76.4	13.6	90.0	133	1.5	0.4	2.3
DCA >> NOS	6025	59.3	13.8	73.1	6410	58.8	14.1	72.9	-15	-0.5	0.3	-0.2
DFW >> NOS	566	107.5	15.1	212.6	864	106.4	15.8	212.2	298	-1.1	0.7	-0.4
DFW >> NOS	332	179.2	18.9	198.1	342	182.7	17.8	200.6	10	3.6	-1.1	2.5
DTW >> NOS	1825	79.9	14.6	94.5	1566	80.4	13.2	93.6	-259	0.5	-1.4	-0.9
EMW >> NOS	2286	37.3	17.3	58.5	3297	38.1	15.0	53.0	1011	0.8	-2.3	-1.5
JFK >> NOS	2723	33.6	21.2	54.8	2983	34.1	18.6	52.7	260	0.5	-2.6	-2.1
LAX >> NOS	587	281.1	19.2	300.3	655	282.8	18.5	301.3	68	1.7	-0.7	1.1
LGA >> NOS	1117	35.0	18.1	53.0	10496	36.1	17.8	53.9	-221	1.2	-0.3	0.9
MIA >> NOS	1569	153.6	14.8	168.4	1549	154.0	15.7	169.8	30	0.4	0.4	1.4
MSB >> NOS	497	132.6	16.1	148.7	660	134.2	16.6	150.9	163	1.6	0.6	2.2
MSY >> NOS	180	158.4	12.6	171.4	558	160.1	13.0	173.1	178	1.3	0.4	1.7
ORD >> NOS	4109	103.4	20.7	124.1	4726	104.0	19.2	123.2	617	0.6	-1.5	-0.9
PHL >> NOS	7235	50.5	12.5	63.0	6285	49.3	13.2	62.5	-950	-1.1	0.6	-0.5
PIT >> NOS	1520	68.7	11.2	80.0	1437	68.6	10.7	79.3	317	-0.1	-0.5	-0.6
SFA >> NOS	39	282.7	19.7	302.4								
SFO >> NOS	460	287.6	22.3	309.8	693	288.2	20.4	308.6	233	0.7	-1.9	-1.2
STL >> NOS	457	124.4	16.0	140.3	842	125.3	15.4	140.7	385	0.9	-0.6	0.4
ALL >> NOS	44490				46766				2276	0.3	-0.5	-0.2

TABLE III-3-3

AVERAGE YEARLY AIR, HUCK AND GROUND TIMES
FOR ROUTE SEGMENTS ARRIVING AT CIE

ROUTE	1974			1975			DIFFERENCE		
	FLITES	AVG ATR	AVG HUCK	FLITES	AVG ATR	AVG HUCK	FLITES	AVG ATR	AVG HUCK
ATL → CIE	1128	77.7	16.3	1431	76.0	17.0	303	-1.7	0.8
MDW → CIE	843	88.5	14.3	1287	88.1	14.8	444	-0.4	0.5
DCA → CIE	1721	54.5	15.2	2402	55.0	14.9	681	0.5	-0.3
DEN → CIE	379	138.6	13.4	642	138.6	13.2	263	-0.1	-0.2
DFW → CIE	711	122.7	17.5	594	122.8	15.1	-117	0.1	-2.4
DTW → CIE	2689	24.6	9.5	3591	24.8	8.5	902	0.2	-1.0
EMW → CIE	1206	66.3	16.7	1553	65.5	16.5	347	-0.8	-0.2
JFK → CIE	761	71.0	22.6	1076	70.2	22.1	315	-0.8	-0.5
LAX → CIE	1462	230.5	16.7	1012	231.1	16.9	-450	0.7	0.2
LGA → CIE	3327	67.6	20.0	3931	68.1	18.7	604	0.5	-1.3
MIA → CIE	827	138.4	14.1	1067	137.8	13.2	240	-0.5	-1.5
MSP → CIE	447	70.9	13.0	763	80.0	14.5	316	0.1	1.5
MSY → CIE				44	115.0	11.6			
ORD → CIE	3144	47.2	20.7	3481	46.9	19.4	337	-0.3	-1.7
PHI → CIE	1557	60.8	15.8	1865	60.3	16.0	308	-0.5	0.2
PIT → CIE	2595	26.4	11.3	3004	26.0	11.8	413	-0.3	0.5
SFO → CIE	238	238.3	18.1	353	241.9	17.5	115	3.6	-0.6
STL → CIE	1299	64.8	14.0	1924	65.6	12.8	625	0.9	-1.1
ALL → CIE	24334			30029			5695	-0.0	-0.5

TABLE III-3-4

AVERAGE YEARLY AIR, RLUCK AND GROUND TIMES

FOR ROUTE SEGMENTS ARRIVING AT OCA

ROUTE	1974				1975				DIFFERENCE			
	FLIGHTS	ATW	AVG	RLUCK	FLIGHTS	ATW	AVG	RLUCK	FLIGHTS	ATW	AVG	RLUCK
ATL => OCA	4028	75.6	16.7	90.3	4559	72.8	16.3	89.0	311	-0.8	-0.5	-1.3
BOS => OCA	6590	63.7	15.1	78.8	6321	63.5	15.1	78.6	-269	-0.3	0.0	-0.2
CLE => OCA	1950	51.2	12.3	63.5	2299	50.6	12.2	62.8	345	-0.7	-0.1	-0.8
DTW => OCA	1985	62.8	13.0	75.8	2370	62.4	12.6	75.0	389	-0.4	-0.4	-0.8
FWA => OCA	2520	41.0	14.2	55.2	2741	40.3	13.1	53.4	221	-0.7	-1.1	-1.8
IND => OCA	600	40.8	18.7	59.4	845	42.6	19.8	62.4	245	1.8	1.1	3.0
LGA => OCA	10632	45.4	16.5	61.9	10386	45.6	16.5	62.1	-246	0.1	0.1	0.2
MIA => OCA	2184	119.5	13.1	132.6	2442	120.3	13.0	133.3	258	0.8	-0.1	0.6
MSP => OCA	1410	115.2	14.3	129.5	1472	115.3	16.1	131.4	62	0.1	1.8	1.9
ORD => OCA	5785	81.3	19.5	100.9	7736	80.3	17.9	98.2	1951	-1.1	-1.6	-2.7
PHL => OCA	1594	38.2	10.7	48.9	654	36.5	10.4	46.9	-940	-1.7	-0.3	-2.0
PIT => OCA	1456	39.0	11.9	50.9	1929	37.9	13.4	51.3	473	-1.1	1.5	0.4
STL => OCA	1347	90.0	15.5	105.5	2296	89.3	13.4	102.7	949	-0.6	-0.2	-0.8
ALL => OCA	42085				45834				3749	-0.4	-0.2	-0.6

TABLE III-3-5

AVERAGE YEARLY AIR, RLOCK AND GROUND TIMES
FOR ROUTE SEGMENTS ARRIVING AT DEN

ROUTE	1974			1975			DIFFERENCE					
	FLITES	AVG AIR	AVG RLOCK	FLITES	AVG AIR	AVG RLOCK	FLITES	AVG AIR	AVG RLOCK			
HIS => DEN	556	239.7	16.2	255.0	1040	238.2	17.2	255.5	484	-1.5	1.0	-0.4
CLF => DEN	427	165.2	14.2	170.4	636	163.8	13.8	177.5	209	-1.4	-0.5	-1.9
DFW => DEN	4436	94.4	12.6	107.0	5369	95.0	12.4	107.3	733	0.6	-0.2	0.4
DTW => DEN	516	145.8	15.9	164.7	721	152.7	13.8	166.5	205	-1.1	-2.1	-3.2
FWR => DEN	475	222.1	17.0	230.1	713	220.0	16.0	235.9	238	-2.1	-1.0	-3.1
JFK => DEN	1046	223.4	22.4	246.1	1450	220.9	22.3	243.2	404	-2.5	-0.4	-2.8
LAX => DEN	3246	104.0	15.9	119.9	3524	104.5	17.4	121.9	278	0.5	1.5	2.0
MSP => DEN	1734	97.1	11.4	108.5	2624	98.0	11.7	109.7	890	0.9	0.3	1.1
MSY => DEN	300	149.7	10.7	150.4	285	141.5	10.7	152.2	-15	1.8	0.1	1.9
ORD => DEN	4040	121.7	19.7	141.3	5920	122.3	19.0	141.3	980	0.6	-0.7	-0.1
PHL => DEN	321	212.7	16.3	229.0	380	210.6	17.1	227.7	59	-2.1	0.8	-1.2
PIT => DEN	134	174.6	15.8	190.5	172	176.4	14.1	190.5	38	1.8	-1.7	0.0
SEA => DEN	1999	121.1	12.9	134.0	2313	122.1	13.0	135.2	314	1.1	0.1	1.2
STL => DEN	1941	115.3	17.0	132.4	2977	115.6	16.2	131.9	1036	0.3	-0.8	-0.5
SLI => DEN	2090	111.6	21.2	132.8	2110	111.2	19.1	130.3	29	-0.4	-2.1	-2.5
ALL => DEN	24361				50203				5842	0.2	-0.3	-0.1

TABLE III-3-6

AVERAGE YEARLY AIR, BLOCK AND GROUND TIMES
FOR ROUTE SEGMENTS ARRIVING AT DEN

ROUTE	1974			1975			DIFFERENCE		
	FILTES	AVG AIR	AVG GND	FILTES	AVG AIR	AVG GND	FILTES	AVG AIR	AVG GND
ATI => DEN	3510	101.4	14.7	4134	102.4	14.5	595	1.0	-0.2
HOS => DEN	342	211.4	14.4	436	214.0	14.2	44	2.6	1.8
CLF => DEN	404	139.7	13.7	443	135.4	13.1	-315	-4.0	-0.5
DEN => DEN	4500	45.4	12.3	5304	45.4	12.7	774	-0.3	0.4
DTA => DEN	1144	147.4	13.6	413	141.2	13.0	-375	3.4	-0.6
FWD => DEN	1421	149.2	14.3	2267	141.5	15.1	646	2.3	-0.2
JFK => DEN	1449	147.4	25.1	2045	141.0	24.1	246	3.2	-1.0
LAX => DEN	4424	144.1	17.0	5161	144.4	16.2	733	0.7	-0.8
LGA => DEN	2242	140.3	21.6	2549	142.2	21.1	337	1.9	-0.4
MIA => DEN	1425	154.2	13.9	1440	154.1	13.5	65	1.4	-0.4
MSP => DEN	444	114.1	12.5	1016	115.9	12.3	154	0.7	-0.0
MSY => DEN	3452	44.5	10.4	3464	47.4	10.4	412	-0.7	0.4
ORD => DEN	5579	112.4	21.0	6140	113.9	19.4	611	1.2	-1.2
PHI => DEN	1124	177.3	17.4	447	141.5	17.6	-241	4.2	-0.1
PIT => DEN	743	145.4	12.4	452	144.0	12.4	44	2.5	-0.4
SEA => DEN	775	141.4	11.4	714	140.6	12.1	-50	-1.4	0.2
SFO => DEN	2427	144.2	14.2	3224	144.3	14.4	394	-1.0	0.2
STL => DEN	2157	79.3	13.3	2465	41.2	12.4	704	1.4	-0.6
ALL => DEN	44421			44411			4740	0.4	-0.3

TABLE III-3-7

AVERAGE YEARLY AIR, RUCK AND GROUND TIMES

FOR ROUTE SEGMENTS ARRIVING AT DTW

ROUTE	1974			1975			DIFFERENCE					
	FLIGHTS	AVG ATW	AVG GND	FLIGHTS	AVG ATW	AVG GND	FLIGHTS	AVG ATW	AVG GND			
ATL => DTW	1337	80.5	19.3	90.8	1121	74.5	18.7	98.2	-214	-1.0	-0.6	-1.6
RDU => DTW	1601	95.1	15.8	111.0	1427	95.9	15.2	111.2	-174	0.8	-0.6	0.2
CLE => DTW	2938	25.1	9.9	34.9	3806	25.8	8.8	36.5	868	0.7	-1.1	-0.4
DCA => DTW	2096	66.2	14.1	80.2	2436	66.8	14.8	81.6	340	0.7	0.7	1.4
DEN => DTW	520	131.2	14.1	145.3	719	131.8	15.1	146.9	199	0.5	1.0	1.5
DFW => DTW	808	123.0	15.7	138.7	1030	121.8	15.1	137.0	222	-1.2	-0.5	-1.7
FWR => DTW	1362	79.1	14.9	94.0	1574	79.9	15.5	95.3	212	0.8	0.6	1.4
JFK => DTW	1241	82.9	24.5	107.4	1142	84.5	25.0	109.9	-99	1.6	0.9	2.5
LAX => DTW	1052	220.7	17.8	238.5	1242	221.5	17.0	238.4	190	0.6	-0.7	-0.1
LGA => DTW	3844	74.4	20.0	94.3	5360	74.1	18.9	96.9	-104	-0.3	-1.1	-1.4
MIA => DTW	1192	107.4	14.9	162.3	1262	108.0	13.9	159.8	70	-1.5	-1.0	-2.5
MSP => DTW	544	72.2	16.0	88.2	875	72.8	18.0	90.8	331	0.6	2.0	2.6
MSY => DTW	59	118.2	8.2	126.0	9	117.5	8.0	125.3	-59	-0.8	-0.2	-1.0
ORD => DTW	5079	38.4	20.0	58.3	6699	38.0	18.0	56.0	1220	-0.4	-1.4	-2.3
PHL => DTW	1617	73.3	16.0	89.2	2228	74.4	15.6	90.0	611	1.1	-0.3	0.8
PIT => DTW	2162	37.8	12.3	50.1	2162	38.7	11.8	50.5	0	0.9	-0.5	0.4
SRF => DTW	1598	231.8	16.6	248.4	1645	231.9	17.3	249.2	47	0.2	0.7	0.9
STL => DTW	909	61.7	15.1	76.8	1282	60.7	14.2	75.0	373	-1.0	-0.9	-1.9
ALL => DTW	20079				34019				4040	0.2	-0.6	-0.4

TABLE III-3-8
AVERAGE YEARLY AIR, BLOCK AND GROUND TIMES
END ROUTE SEGMENTS ARRIVING AT EWR

ROUTE	1974			1975			DIFFERENCE		
	FLIGHTS	AVG ATW	AVG BLOCK	FLIGHTS	AVG ATW	AVG BLOCK	FLIGHTS	AVG ATW	AVG BLOCK
ATL => EWR	2400	97.0	14.1	115.1	2411	95.3	17.4	113.0	-2.1
BOS => EWR	3040	45.4	16.4	62.4	3096	45.6	16.5	62.1	-0.3
CLE => EWR	995	59.4	14.0	71.9	1400	59.7	14.5	74.2	0.3
DCA => EWR	2704	34.7	14.5	53.2	2960	34.7	13.4	52.4	-0.8
DEN => EWR	464	145.0	16.9	201.9	652	145.9	16.5	202.3	0.4
DFW => EWR	1527	143.5	14.7	174.2	2410	140.9	15.1	176.0	-2.2
DTW => EWR	1144	67.5	14.2	41.7	1517	67.8	14.4	42.3	0.6
JFK => EWR					14	14.2	14.2	36.4	
LAX => EWR	766	275.4	16.4	292.4	997	277.2	16.4	294.0	1.6
MIA => EWR	1970	134.1	14.0	154.1	2012	139.4	15.9	155.3	1.3
MSY => EWR	354	140.9	14.3	151.2	250	137.4	11.1	144.9	-2.3
ORD => EWR	3151	90.1	22.4	112.6	3461	89.4	20.7	110.1	-2.5
PHL => EWR	1145	23.9	14.9	34.7	1772	23.4	16.1	39.5	0.4
PIT => EWR	2355	54.9	11.4	46.3	2549	53.5	11.5	65.0	-1.3
SEA => EWR	254	244.2	20.0	304.2	349	244.4	19.4	304.2	-0.0
STL => EWR	344	109.9	15.6	125.5	644	107.5	14.5	122.1	-3.4
ALL => EWR	22944				26494				-0.4

TABLE III-3-9

AVERAGE YEARLY AIR, BLOCK AND GROUND TIMES
FOR ROUTE SEGMENTS ARRIVING AT JFK

ROUTE	1974				1975				DIFFERENCE			
	FLIGHTS	AVG AIR	AVG BLOCK	AVG GND	FLIGHTS	AVG AIR	AVG BLOCK	AVG GND	FLIGHTS	AVG AIR	AVG BLOCK	AVG GND
ATI → JFK	2167	99.7	14.0	118.5	2295	98.7	19.9	118.6	128	-0.9	1.0	0.0
HOU → JFK	2893	80.6	18.2	58.8	3137	40.3	18.5	58.8	244	-0.3	0.3	-0.0
CLF → JFK	650	73.0	16.9	40.0	1017	74.0	16.1	90.1	363	1.0	-0.8	0.2
DCA → JFK	478	82.6	18.9	57.5	828	43.3	17.4	60.7	350	0.7	2.4	3.2
DFW → JFK	1131	104.1	19.2	213.3	1664	194.8	20.4	215.2	533	0.6	1.2	1.9
DFW → JFK	1690	168.6	17.8	146.4	1690	168.8	17.5	146.3	0	0.2	-0.3	-0.1
DTW → JFK	1072	75.2	16.9	92.2	1210	77.3	17.6	94.9	138	2.1	0.7	2.8
EW → JFK	8	21.3	15.1	36.4	28	22.9	16.9	39.8	20	1.6	1.8	3.4
LAX → JFK	3655	279.2	21.2	300.4	4006	281.2	20.9	302.1	351	2.0	-0.3	1.7
MIA → JFK	5525	139.1	14.1	157.2	5640	138.9	18.4	157.3	115	-0.2	0.3	0.1
MSP → JFK	173	123.9	19.9	143.7	74	122.3	23.8	146.1	-99	-1.5	3.9	2.4
MSY → JFK	1019	145.6	10.7	156.2	865	144.9	13.6	158.6	-154	-0.6	3.0	2.3
ORD → JFK	2514	97.2	22.4	119.6	3436	100.0	21.4	121.4	922	2.8	-1.0	1.8
PHL → JFK	1528	29.9	16.6	46.5	2093	29.8	18.6	48.4	565	-0.1	1.9	1.8
PIT → JFK	920	64.5	13.3	77.8	955	66.6	12.7	79.3	35	2.1	-0.6	1.5
SEA → JFK	534	279.8	18.4	298.1	733	278.4	19.1	297.5	199	-1.4	0.7	-0.6
SPN → JFK	2380	291.0	22.3	313.3	3273	292.5	22.8	315.3	893	1.5	0.5	2.0
STL → JFK	47	114.1	17.0	131.1	83	111.2	16.4	127.7	36	-2.9	-0.5	-3.4
ALL → JFK	26348				31027				4639	0.7	0.4	1.1

TABLE III-3-10

AVERAGE YEARLY AIR, BLOCK AND GROUND TIMES
FOR ROUTE SEGMENTS ARRIVING AT LAX

ROUTE	1974			1975			DIFFERENCE		
	FLIGHTS	AVG AIR	AVG BLOCK	FLIGHTS	AVG AIR	AVG BLOCK	FLIGHTS	AVG AIR	AVG BLOCK
ATL → LAX	2577	246.6	17.4	2443	247.0	19.4	-134	0.4	2.4
BOS → LAX	588	327.4	20.5	656	325.3	20.0	68	-2.1	-0.5
CLE → LAX	1298	267.4	18.7	1184	268.3	13.7	-114	0.9	-1.0
DEN → LAX	3041	113.7	19.0	3403	113.7	14.7	362	0.1	-0.7
DFW → LAX	4211	162.4	14.7	4519	162.1	14.9	308	-0.3	0.2
DTW → LAX	1205	252.3	15.7	1501	254.4	14.2	296	2.1	-1.5
EWG → LAX	953	323.6	17.0	1289	321.6	17.0	336	-2.0	-0.1
JFK → LAX	3419	317.4	24.8	4232	316.9	24.9	813	-0.5	0.1
MIA → LAX	401	293.0	22.9	406	287.0	20.4	5	-6.0	-2.6
MSP → LAX	1294	195.7	16.1	2371	196.4	15.7	1077	0.7	-0.3
MSY → LAX	705	213.8	13.8	881	214.1	15.3	176	0.3	1.5
ORD → LAX	6573	224.1	21.3	8069	222.9	21.3	1496	-1.2	-0.0
PHL → LAX	1376	310.2	17.6	1426	307.5	18.7	50	-2.7	1.0
PIT → LAX	236	266.7	18.1	361	268.1	16.5	125	1.4	-1.6
SEA → LAX	2021	121.2	13.0	3517	120.2	13.0	1496	-1.0	-0.0
SGF → LAX	9367	52.4	16.1	13671	51.6	15.5	4304	-0.8	-0.6
STL → LAX	1730	206.6	14.9	3094	207.9	15.3	1364	1.3	-1.6
ALL → LAX	40095			53023			12928	-0.5	-0.1

AVERAGE YEADLY AIR, BLICK AND GRIND TIMES
FOR ROUTE SEGMENTS ARRIVING AT LGA

ROUTE	1974				1975				DIFFERENCE			
	FITTES	AVG ATR	AVG GND	AVG HLOCK	FITTES	AVG ATR	AVG GND	AVG HLOCK	FITTES	AVG ATR	AVG GND	AVG HLOCK
ATI => ICA	3763	100.5	16.7	117.2	4203	98.3	16.6	115.0	440	-2.2	-0.0	-2.2
HOS => ICA	11537	41.8	15.6	57.5	11418	41.3	15.7	57.0	-119	-0.5	0.1	-0.5
CLF => ICA	2604	65.6	12.4	78.0	3458	64.1	11.9	76.0	814	-1.5	-0.5	-2.0
NCA => ICA	10767	44.5	14.9	59.3	10280	43.7	14.3	58.0	-487	-0.6	-0.7	-1.2
DEW => ICA	2439	145.6	14.9	180.5	2758	144.6	14.5	179.1	299	-1.0	-0.5	-1.4
OTA => ICA	3152	71.2	14.3	85.5	3033	71.8	13.7	85.5	-139	0.6	-0.6	-0.1
MIA => ICA	3220	141.7	17.1	158.8	3206	141.6	15.9	157.6	-14	-0.0	-1.2	-1.2
MSD => ICA	1622	129.7	15.2	144.9	1740	127.9	15.8	143.7	118	-1.8	0.6	-1.2
MSV => ICA	717	142.5	12.9	155.4	827	141.5	11.6	153.1	110	-1.0	-1.4	-2.3
ORN => ICA	7623	95.3	21.6	116.9	10077	94.1	20.2	114.3	2454	-1.2	-1.4	-2.6
PHL => ICA	151	25.5	15.8	41.3	70	28.6	12.3	40.9	-81	3.1	-3.5	-0.4
PIT => ICA	3723	58.0	12.5	70.5	4370	54.7	11.7	66.5	647	-3.3	-0.7	-4.0
STI => ICA	1854	113.9	15.8	129.7	2182	112.2	15.4	127.6	328	-1.8	-0.4	-2.2
ALL => ICA	53212				57582				4370	-1.0	-0.6	-1.6

TABLE III-3-12

AVERAGE YEARLY AIR, BLOCK AND GROUND TIMES

FOR WHITE SEGMENTS ARRIVING AT MIA

WHITE	1974				1975				DIFFERENCE			
	FITTES	ATR	AVG	BLCK	FITTES	ATR	AVG	BLCK	FITTES	ATR	AVG	BLCK
ATI => MTA	4745	80.0	17.8	97.8	5199	80.1	17.4	97.5	454	0.1	-0.4	-0.3
BOS => MTA	1547	161.6	16.7	178.0	1819	161.8	15.7	177.4	272	0.1	-1.1	-0.9
CLF => MTA	823	136.9	13.7	150.6	1070	139.3	13.7	153.0	247	2.3	0.0	2.4
DCA => MTA	2187	123.7	10.7	138.0	2419	122.5	10.0	136.5	232	-1.2	-0.7	-1.9
DFW => MTA	1930	135.6	13.5	149.2	1784	136.3	12.6	148.9	-150	0.7	-0.9	-0.3
DTW => MTA	1159	149.7	13.7	153.0	1229	140.6	12.2	152.8	70	0.9	-1.6	-0.6
FAP => MTA	1957	102.1	16.0	158.1	2051	104.1	18.6	158.6	94	2.0	-1.4	0.5
JFK => MTA	3990	102.9	21.1	164.0	4214	102.9	21.7	164.6	224	-0.0	0.6	0.5
LAX => MTA	411	252.0	14.0	270.0	510	253.9	17.9	271.8	99	2.0	-0.1	1.8
LGA => MTA	2812	145.4	20.1	165.5	2482	105.6	19.0	164.6	70	0.1	-1.1	-1.0
MSP => MTA					57	178.0	15.4	193.4				
MSY => MTA	1889	86.6	11.4	98.0	1827	86.3	11.1	97.4	138	-0.3	-0.3	-0.6
ORD => MTA	2907	104.2	20.8	165.0	3308	107.1	19.8	166.9	401	2.9	-1.0	1.9
PHL => MTA	2111	132.7	10.4	147.1	1897	133.2	10.9	148.0	-214	0.5	0.5	1.0
PIT => MTA	935	130.9	13.0	143.9	1139	130.6	13.5	144.2	204	-0.3	0.5	0.2
SEN => MTA	217	280.7	20.8	310.5	271	280.5	18.2	298.7	54	-0.2	-11.6	-11.8
STL => MTA	845	133.5	12.8	146.2	1168	133.7	12.1	145.8	323	0.2	-0.6	-0.5
ALL => MTA	302.0				3284.8				2579	0.5	-0.6	-0.1

TABLE III-3-13

AVERAGE SCHEDULE, BLOCK AND GROUND TIMES
FOR ROUTE SEGMENTS ARRIVING AT MSP

ROUTE	1974			1975			DIFFERENCE		
	FITTES	AVG ATP	AVG BLOCK	FITTES	AVG ATP	AVG BLOCK	FITTES	AVG ATP	AVG BLOCK
ATI => MSP	1619	124.4	13.8	2030	124.2	14.9	411	-0.2	1.1
RUS => MSP	444	156.8	15.2	649	157.2	15.7	165	0.4	0.5
CLE => MSP	405	91.0	12.9	894	90.8	13.1	449	-0.2	0.2
DCA => MSP	1397	130.8	15.1	1580	132.0	16.4	117	1.2	1.3
DFW => MSP	1532	86.2	10.4	2595	86.0	10.7	1063	-0.2	0.3
DFW => MSP	803	111.5	13.1	969	110.1	12.4	166	-1.4	-0.7
DTW => MSP	604	78.5	10.2	925	78.8	13.8	321	0.4	-0.4
JFK => MSP	171	147.0	21.8	570	150.9	20.2	397	3.9	-1.6
LAX => MSP	1246	177.4	15.9	2370	177.3	16.2	1084	-0.1	0.3
LGA => MSP	1509	143.5	19.6	1700	143.9	18.3	200	0.7	-1.4
MIA => MSP				56	200.3	14.4			
ORD => MSP	5435	55.5	19.8	7480	55.5	18.7	1645	0.0	-1.1
PHL => MSP	425	140.1	15.2	570	140.5	15.0	145	0.4	-0.2
SEA => MSP	641	159.0	13.9	948	160.3	14.0	307	1.3	0.1
SFO => MSP	1036	180.9	13.6	1756	181.6	15.4	700	0.7	1.9
STL => MSP	878	65.3	11.9	1048	65.6	11.9	170	0.3	-0.0
ALI => MSP	18665			25433			6768	0.2	-0.1

TABLE III-3-14

AVERAGE YEARLY AIR, RUCK AND GROUND TIMES

FOR ROUTE SEGMENTS ARRIVING AT MSY

ROUTE	1978				1975				DIFFERENCE			
	FLITES	AVG ATW	AVG GND	AVG RUCK	FLITES	AVG ATW	AVG GND	AVG RUCK	FLITES	AVG ATW	AVG GND	AVG RUCK
ATL >> MSY	3637	63.4	15	78.8	4043	64.3	15.6	79.9	406	0.9	0.3	1.2
BOS >> MSY	245	179.1	16.3	195.3	359	183.6	16.2	199.8	114	4.5	-0.1	4.4
CLF >> MSY					35	131.2	13.9	145.1				
DEN >> MSY	363	125.0	10.0	135.1	286	125.9	11.1	137.0	-77	0.8	1.1	1.9
DFW >> MSY	3216	59.6	12.4	72.0	3927	59.5	12.1	71.6	711	-0.2	-0.3	-0.4
DTW >> MSY	58	122.7	13.0	135.7	9	130.3	13.0	143.3	-49	7.7	0.0	7.7
FWR >> MSY	326	147.8	16.2	164.0	250	152.4	13.6	166.0	-76	4.5	-2.6	1.9
JFK >> MSY	1172	155.4	22.3	177.7	1418	156.4	21.5	177.9	246	1.1	-0.8	0.3
LAX >> MSY	468	187.9	18.7	206.6	443	187.5	15.1	202.6	-25	-0.4	-3.6	-3.9
LGA >> MSY	437	160.9	16.8	177.7	412	162.2	16.7	178.9	-25	1.3	-0.2	1.2
MIA >> MSY	1812	87.3	14.8	112.1	1866	97.8	14.3	112.1	54	0.5	-0.5	0.0
ORD >> MSY	946	105.9	20.2	126.1	980	107.2	17.4	124.6	34	1.3	-2.8	-1.5
PHL >> MSY	629	146.3	12.7	159.0	718	147.2	13.4	160.6	89	0.9	0.7	1.6
PIT >> MSY	416	126.1	11.9	137.9	630	126.9	12.0	138.9	214	0.8	0.1	1.0
SFO >> MSY	180	211.6	14.7	226.3	99	205.1	16.0	221.1	-81	-6.5	1.3	-5.2
STL >> MSY	720	83.6	9.7	93.3	690	83.4	9.5	92.9	-30	-0.2	-0.2	-0.4
ALL >> MSY	14825				16165				1340	0.7	-0.4	0.3

TABLE III-3-15

AVERAGE YEARLY AIR, BLOCK AND GROUND TIMES
FOR ROUTE SEGMENTS ARRIVING AT ORD

ROUTE	1974			1975			DIFFERENCE					
	FLITES	AVG ATR	AVG BLOCK	FLITES	AVG ATR	AVG BLOCK	FLITES	AVG ATR	AVG BLOCK			
ATL >> ORD	4020	93.5	17.5	111.0	4888	89.7	18.7	108.4	464	-3.8	1.2	-2.6
BOS >> ORD	4105	137.4	20.5	158.0	4627	132.3	19.7	152.0	522	-5.1	-0.9	-6.0
CLF >> ORD	2823	63.5	16.8	80.3	3504	60.7	17.6	78.3	681	-2.9	0.8	-2.0
DCA >> ORD	6251	104.3	18.5	122.8	8084	101.0	17.7	119.7	1833	-3.3	-0.8	-4.1
DEW >> ORD	5002	114.6	15.1	129.8	6330	112.8	15.8	128.6	1328	-1.8	0.6	-1.2
DFW >> ORD	6365	111.4	16.1	127.5	6169	107.5	15.7	123.3	-196	-3.9	-0.3	-4.2
DTW >> ORD	5108	89.4	16.8	66.2	6251	88.0	16.6	64.6	1143	-1.5	-0.1	-1.6
FAR >> ORD	3281	119.6	20.2	159.7	3665	115.8	19.8	135.6	384	-3.8	-0.4	-4.2
JFK >> ORD	2455	118.4	24.8	143.2	3578	116.2	25.2	141.4	1123	-2.3	0.4	-1.8
LAX >> ORD	7166	205.2	19.2	224.4	8114	202.5	19.4	221.9	948	-2.7	0.2	-2.5
LGA >> ORD	7058	119.1	25.8	144.9	10026	115.9	24.3	140.2	2088	-3.2	-1.5	-4.7
MIA >> ORD	2543	164.7	16.0	180.7	2920	159.9	16.9	176.8	377	-4.8	0.9	-3.9
MSP >> ORD	5672	58.5	17.2	75.7	6951	55.4	17.9	73.4	1279	-3.0	0.7	-2.3
MSY >> ORD	911	123.5	9.8	133.3	1037	114.8	12.3	127.0	126	-8.8	2.5	-6.3
PHL >> ORD	2976	112.6	20.0	135.0	4358	108.7	19.8	128.4	1382	-3.9	-0.7	-4.6
PIT >> ORD	6381	76.3	19.4	90.7	7449	73.0	13.9	86.9	1068	-3.3	-0.4	-3.7
SFA >> ORD	1998	201.6	18.1	219.7	2798	197.2	18.2	215.4	800	-4.4	0.1	-4.2
SFO >> ORD	4491	215.6	21.0	237.0	5607	212.4	20.8	233.2	1116	-3.3	-0.6	-3.8
STL >> ORD	5705	53.1	11.3	64.5	6735	49.6	12.5	62.0	940	-3.6	1.1	-2.4
ALL >> ORD	85704				103090				17386	-3.3	-0.0	-3.3

TABLE III-3-16

AVERAGE YEARLY AIR, MILE, AND GROUND TIMES
FOR ROUTE SEGMENTS ARRIVING AT PHL

ROUTE	1974			1975			DIFFERENCE		
	FLIGHTS	AVG AIR	AVG MILE	FLIGHTS	AVG AIR	AVG MILE	FLIGHTS	AVG AIR	AVG MILE
ATL => PHL	5636	87.9	17.2	4209	87.5	17.8	573	-0.4	0.7
BOS => PHL	6921	57.1	14.1	6159	55.1	14.5	-762	-2.0	0.5
CLE => PHL	1530	56.1	14.0	1765	56.5	15.9	235	0.4	-0.1
DCA => PHL	1889	31.3	11.5	1053	31.0	14.0	-836	-0.3	2.5
DEN => PHL	433	180.8	16.1	429	182.8	18.0	-4	2.0	1.9
DFW => PHL	923	154.6	18.0	1145	155.4	17.4	222	0.8	-0.6
DTW => PHL	1812	66.0	15.6	2076	66.5	14.9	664	0.6	-0.7
FAR => PHL	1701	26.8	15.2	1561	27.8	15.5	-140	1.0	0.3
JFK => PHL	1311	29.9	21.5	1973	28.8	24.2	662	-1.1	2.7
LAX => PHL	1242	267.2	18.1	1593	268.4	18.9	351	1.2	0.8
LGA => PHL	268	29.2	17.9	539	29.0	18.5	271	-0.3	0.7
MIA => PHL	1866	129.2	14.9	1832	129.9	15.1	-34	0.7	0.2
MSP => PHL	489	123.3	16.2	624	121.7	18.2	155	-1.7	2.0
MSY => PHL	685	133.9	10.8	722	134.0	11.0	37	0.1	0.2
ORD => PHL	2847	84.9	21.5	3756	89.0	19.9	909	0.1	-1.6
PIT => PHL	6082	46.2	11.0	6404	45.0	11.2	322	-0.8	0.2
SFO => PHL	582	278.9	20.1	819	280.5	19.7	237	1.6	-0.4
STL => PHL	608	101.2	16.6	739	101.2	16.5	131	0.0	-0.1
ALL => PHL	34405			37394			2993	-0.4	0.3

TABLE III-3-17

AVERAGE YEARLY AIR, BLOCK AND GROUND TIMES
FOR ROUTE SEGMENTS ARRIVING AT PIT

ROUTE	1974			1975			DIFFERENCE		
	FLIGHTS	AVG AIR	AVG BLOCK	FLIGHTS	AVG AIR	AVG BLOCK	FLIGHTS	AVG AIR	AVG BLOCK
ATI => PIT	1944	73.7	17.2	2507	72.7	17.2	601	-1.0	-0.1
ROQ => PIT	1753	79.4	13.2	2104	77.1	13.1	351	-2.4	-0.1
CLF => PIT	2422	26.4	12.9	2602	24.4	12.0	180	-1.6	-0.9
DCA => PIT	1609	39.5	15.7	2049	39.6	16.5	440	0.1	0.8
DEW => PIT	144	155.6	16.7	187	148.6	13.3	43	-7.0	-3.4
DFW => PIT	696	130.4	16.2	494	130.4	16.6	-198	0.1	0.4
DIA => PIT	2245	37.3	13.4	2601	35.9	11.9	316	-1.3	-1.5
FAR => PIT	2700	54.0	13.7	2435	56.4	13.3	135	-1.6	-0.4
IFK => PIT	674	54.2	19.9	640	59.2	15.4	6	1.0	-4.0
LAX => PIT	210	233.1	14.3	362	233.7	16.1	152	0.6	-2.2
LGA => PIT	3446	60.4	17.9	4551	57.7	17.0	905	-2.7	-0.9
MIA => PIT	935	131.9	14.9	1141	131.2	14.9	206	-0.7	0.0
MSY => PIT	875	113.5	13.4	645	112.2	12.9	210	-1.3	-0.9
ORD => PIT	6304	59.1	14.7	7156	57.4	17.5	852	-1.8	-1.1
PHI => PIT	5477	49.1	13.0	5694	46.7	13.4	147	-2.4	0.4
SFO => PIT	143	255.7	20.4	156	253.4	17.6	13	-2.3	-2.8
STL => PIT	1547	75.0	11.6	2144	72.2	11.9	597	-2.4	0.4
ALL => PIT	33510			34074			4564	-1.4	-0.5
									-2.3

TABLE III-3-18

AVERAGE YEARLY AIR, BLOCK AND GROUND TIMES FOR ROUTE SEGMENTS ARRIVING AT SEA												
ROUTE	1974				1975				DIFFERENCE			
	FLIGHTS	AVG AIR	AVG GND	AVG BLOCK	FLIGHTS	AVG AIR	AVG GND	AVG BLOCK	FLIGHTS	AVG AIR	AVG GND	AVG BLOCK
HQS => SEA	30	121.7	14.2	335.9	2133	137.4	12.4	150.2	243	0.4	0.7	1.6
DFW => SEA	1490	136.5	12.1	148.6	415	215.5	12.3	227.8	83	-1.1	-0.1	-1.2
DFW => SEA	732	216.6	12.3	220.0	439	313.3	25.1	334.3	182	-1.6	2.4	0.9
JFK => SEA	657	314.8	22.7	337.5	3129	125.4	13.4	134.8	1152	0.3	0.1	0.3
LAX => SEA	1977	125.2	13.3	134.5	1271	184.7	15.4	200.1	443	1.1	-0.2	0.9
MSP => SEA	424	143.5	15.4	190.1	2802	223.7	21.4	245.1	979	-0.2	-1.5	-1.7
ORD => SEA	1923	223.9	22.9	246.8	5253	90.8	13.4	104.2	2132	0.0	-0.8	-0.7
SFO => SEA	5121	90.8	14.2	105.0	354	223.0	12.2	235.2	-134	1.9	0.0	1.0
STL => SEA	444	221.1	12.2	233.2								
ALL => SEA	11655				16694				5041	0.1	-0.3	-0.1

TABLE III-3-19

AVERAGE YEARLY AIR, BLOCK AND GROUND TIMES
FOR ROUTE SEGMENTS ARRIVING AT SFO

ROUTE	1978				1979				DIFFERENCE			
	FLITES	AVG ATR	AVG GND	AVG BLOCK	FLITES	AVG ATR	AVG GND	AVG BLOCK	FLITES	AVG ATR	AVG GND	AVG BLOCK
ATL => SFO	498	269.4	17.0	286.4	661	261.0	21.2	282.3	163	-8.4	4.2	-8.2
MOS => SFO	465	317.3	21.7	359.0	690	334.9	20.0	355.0	225	-2.4	-1.6	-4.0
CLF => SFO	235	279.3	15.6	294.9	341	279.8	14.1	293.9	106	0.5	-1.5	-1.0
DEN => SFO	1853	127.9	12.8	140.8	2009	128.2	14.1	142.3	1146	0.2	1.3	1.5
DFW => SFO	3091	188.7	15.1	203.9	3225	188.1	15.9	204.1	134	-0.6	0.8	0.2
DTW => SFO	1184	268.0	14.6	282.6	1289	267.7	13.2	280.9	105	-0.3	-1.4	-1.6
EMW => SFO	400	335.3	14.4	351.7	511	333.9	17.1	351.0	111	-1.4	0.7	-0.7
JFK => SFO	2455	333.8	23.2	357.0	3225	330.5	23.6	350.1	790	-3.3	0.4	-2.9
LAX => SFO	10339	51.5	13.8	65.4	14538	52.1	14.0	66.0	4199	0.6	0.1	0.7
MIA => SFO	217	327.3	18.1	345.4	272	319.5	17.4	336.9	55	-7.8	-0.6	-8.5
MSP => SFO	968	205.0	14.3	219.3	1725	205.1	14.6	219.7	757	0.2	0.3	0.5
MSY => SFO	193	246.4	12.7	259.1	232	240.4	14.1	254.6	39	-6.0	1.5	-4.5
ORD => SFO	4191	237.8	22.0	259.8	5167	237.6	21.0	258.6	976	-0.2	-1.0	-1.1
PHL => SFO	479	330.0	19.3	349.4	703	327.3	18.9	346.2	224	-2.7	-0.5	-3.2
PIT => SFO	143	291.2	16.2	307.4	155	290.0	13.4	303.3	12	-1.2	-2.9	-4.1
SEA => SFO	2764	94.1	12.0	106.1	5328	92.5	11.9	104.4	2564	-1.6	-0.1	-1.7
STL => SFO	493	222.8	16.7	239.5	808	222.0	16.2	238.2	315	-0.8	-0.5	-1.3
ALL => SFO	29048				41869				11921	-0.7	0.1	-0.6

TABLE III-3-20

AVERAGE YEARLY AIRBLOCK AND GROUND TIMES
FOR ROUTE SEGMENTS ARRIVING AT STL

ROUTE	1974			1975			DIFFERENCE		
	FLIGHTS	AVG ATH	AVG GND	FLIGHTS	AVG ATH	AVG GND	FLIGHTS	AVG ATH	AVG GND
ATL => STL	2715	73.1	10.5	3187	73.9	10.5	472	0.8	-0.1
BOS => STL	454	150.6	16.8	1013	149.3	16.5	559	-1.3	-0.3
CLF => STL	1466	74.3	12.2	2273	76.1	11.0	807	1.8	-1.2
DCA => STL	1237	107.8	10.3	2152	108.7	10.2	915	0.9	-0.2
DFW => STL	2011	97.8	13.3	2169	98.3	13.1	158	0.5	-0.2
DFW => STL	1997	76.3	12.8	2917	76.8	11.9	920	0.5	-0.9
DTW => STL	830	70.1	13.0	1200	71.3	11.4	370	1.2	-1.5
FAO => STL	365	126.2	16.9	706	128.4	14.2	341	2.1	-2.8
JFK => STL	228	129.2	20.5	506	128.6	17.6	278	-0.6	3.1
LAX => STL	1590	182.6	17.3	2855	183.6	16.2	1265	1.0	-1.1
LGA => STL	1876	128.9	20.4	2221	131.5	20.3	345	2.6	-0.1
MIA => STL	746	144.5	13.2	1049	144.7	12.6	303	0.2	-0.6
MSP => STL	946	83.2	11.9	1187	85.7	11.3	241	2.5	-0.6
MSY => STL	637	83.6	9.4	623	84.3	9.4	-14	0.8	-0.1
ORD => STL	5493	42.9	18.8	6140	45.5	16.6	647	2.6	-2.2
PHI => STL	764	117.9	17.5	988	118.7	15.7	224	0.8	-1.7
PIT => STL	1391	83.6	10.4	2012	84.6	10.4	621	0.9	0.0
SEA => STL	354	193.1	13.6	361	192.9	13.1	7	-0.2	-0.4
SFO => STL	705	104.1	17.1	903	105.7	16.3	198	1.6	-0.8
ALL => STL	25805			34462			8657	1.3	-0.9
									0.5

TABLE III-4-1

AVERAGE AIRBORNE DELAYS BY MONTH
 SUMMARY OF FLIGHTS ARRIVING AT ATL
 FROM 19 STUDY AIRPORTS

	-----1974-----		-----1975-----	
	FLIGHTS	AVG AIR DELAY	FLIGHTS	AVG AIR DELAY
JAN	1809	0:21	3537	0:17
FEB	3329	0:14	3674	0:17
MAR	3477	0:12	3913	0:14
APR	3259	0:11	3759	0:11
MAY	3493	0:12	4080	0:12
JUN	3166	0:13	3750	0:10
JUL	3176	0:12	3839	0:11
AUG	4126	0:13	4032	0:10
SEP	3540	0:14	3566	0:12
OCT	3537	0:10	3320	0:13
NOV	3694	0:13	3891	0:13
DEC	3410	0:15	3366	0:14
TOTAL	40016	0:13	44727	0:13

-----ALL TIMES ARE IN HOURS AND MINUTES-----

TABLE III-4-2

AVERAGE AIRBORNE DELAYS BY MONTH
 SUMMARY OF FLIGHTS ARRIVING AT BOS
 FROM 19 STUDY AIRPORTS

	-----1974-----		-----1975-----	
	FLIGHTS	AVG AIR DELAY	FLIGHTS	AVG AIR DELAY
JAN	2137	0:06	3722	0:05
FEB	3472	0:09	3762	0:07
MAR	3694	0:06	3790	0:06
APR	3474	0:06	3588	0:07
MAY	3421	0:08	4302	0:09
JUN	3204	0:08	3376	0:10
JUL	3035	0:09	3246	0:11
AUG	4567	0:09	4329	0:09
SEP	3825	0:08	3619	0:08
OCT	3805	0:08	3536	0:07
NOV	4110	0:08	4035	0:07
DEC	3831	0:08	3434	0:10
TOTAL	42575	0:08	44739	0:08

-----ALL TIMES ARE IN HOURS AND MINUTES-----

TABLE III-4-3

AVERAGE AIRBORNE DELAYS BY MONTH
 SUMMARY OF FLIGHTS ARRIVING AT CLE
 FROM 19 STUDY AIRPORTS

	-----1974-----		-----1975-----	
	FLIGHTS	AVG AIR DELAY	FLIGHTS	AVG AIR DELAY
JAN	435	0:02	2371	0:06
FEB	2297	0:06	2379	0:07
MAR	2526	0:05	2534	0:06
APR	2454	0:04	2434	0:05
MAY	1258	0:04	2708	0:05
JUN	1060	0:04	2347	0:04
JUL	1074	0:04	2345	0:03
AUG	3005	0:04	2689	0:04
SEP	2682	0:05	2456	0:04
OCT	2727	0:05	2079	0:03
NOV	2112	0:05	2633	0:05
DEC	1953	0:05	1813	0:06
TOTAL	23583	0:05	28788	0:05

-----ALL TIMES ARE IN HOURS AND MINUTES-----

TABLE III-4-4

AVERAGE AIRBORNE DELAYS BY MONTH
 SUMMARY OF FLIGHTS ARRIVING AT DCA
 FROM 19 STUDY AIRPORTS

	-----1974-----		-----1975-----	
	FLIGHTS	AVG AIR DELAY	FLIGHTS	AVG AIR DELAY
JAN	2135	0:09	3434	0:07
FEB	3458	0:07	3577	0:07
MAR	3869	0:06	3924	0:07
APR	3808	0:07	3820	0:06
MAY	3593	0:07	4170	0:07
JUN	3146	0:07	3764	0:07
JUL	2935	0:06	3723	0:07
AUG	4065	0:07	3971	0:06
SEP	3769	0:11	3647	0:07
OCT	3935	0:10	3278	0:07
NOV	3379	0:07	3756	0:08
DEC	3219	0:07	3289	0:08
TOTAL	41111	0:08	44753	0:07

-----ALL TIMES ARE IN HOURS AND MINUTES-----

TABLE III-4-5

AVERAGE AIRBORNE DELAYS BY MONTH
 SUMMARY OF FLIGHTS ARRIVING AT DEN
 FROM 19 STUDY AIRPORTS

	-----1974-----		-----1975-----	
	FLIGHTS	AVG AIR DELAY	FLIGHTS	AVG AIR DELAY
JAN	537	0:05	2597	0:08
FEB	2279	0:05	2334	0:07
MAR	2528	0:08	2551	0:08
APR	2417	0:04	2347	0:08
MAY	1085	0:02	2539	0:03
JUN	987	0:02	2162	0:02
JUL	1013	0:00	2225	-0:02
AUG	3058	0:01	2880	0:00
SEP	2627	0:04	2552	0:02
OCT	2548	0:03	2603	0:03
NOV	2345	0:04	2518	0:05
DEC	2433	0:05	2117	0:06
TOTAL	23857	0:04	29425	0:04

-----ALL TIMES ARE IN HOURS AND MINUTES-----

TABLE III-4-6

AVERAGE AIRBORNE DELAYS BY MONTH
 SUMMARY OF FLIGHTS ARRIVING AT DFW
 FROM 19 STUDY AIRPORTS

	-----1974-----		-----1975-----	
	FLIGHTS	AVG AIR DELAY	FLIGHTS	AVG AIR DELAY
JAN			3353	0:13
FEB	2876	0:09	3341	0:12
MAR	2962	0:10	3480	0:13
APR	2858	0:09	3416	0:12
MAY	3503	0:06	3687	0:09
JUN	3208	0:04	3334	0:04
JUL	3172	0:01	3422	0:03
AUG	3935	0:04	3926	0:02
SEP	3412	0:08	3294	0:04
OCT	3545	0:06	3272	0:04
NOV	3531	0:08	3523	0:07
DEC	3347	0:12	3341	0:08
TOTAL	36347	0:07	41389	0:08

----ALL TIMES ARE IN HOURS AND MINUTES----

TABLE III-4-7

AVERAGE AIRBORNE DELAYS BY MONTH
 SUMMARY OF FLIGHTS ARRIVING AT DTW
 FROM 19 STUDY AIRPORTS

	-----1974-----		-----1975-----	
	FLIGHTS	AVG AIR DELAY	FLIGHTS	AVG AIR DELAY
JAN	960	0:03	2592	0:06
FEB	2528	0:04	2723	0:05
MAR	2710	0:05	2892	0:04
APR	2590	0:03	2705	0:03
MAY	2290	0:04	2913	0:04
JUN	1861	0:02	2515	0:04
JUL	1831	0:05	2501	0:03
AUG	3576	0:03	3132	0:04
SEP	2930	0:04	2744	0:04
OCT	2892	0:04	1779	0:03
NOV	1961	0:04	2948	0:04
DEC	1636	0:06	2555	0:07
TOTAL	27765	0:04	31999	0:04

-----ALL TIMES ARE IN HOURS AND MINUTES-----

TABLE III-4-8

AVERAGE AIRBORNE DELAYS BY MONTH
 SUMMARY OF FLIGHTS ARRIVING AT EWR
 FROM 19 STUDY AIRPORTS

	-----1974-----		-----1975-----	
	FLIGHTS	AVG AIR DELAY	FLIGHTS	AVG AIR DELAY
JAN	605	0:04	1877	0:03
FEB	1973	0:04	2178	0:04
MAR	2178	0:04	2278	0:05
APR	2105	0:06	2165	0:04
MAY	1610	0:07	2379	0:08
JUN	1454	0:08	2037	0:09
JUL	1326	0:10	1957	0:09
AUG	2450	0:10	2409	0:07
SEP	2063	0:09	1830	0:06
OCT	2071	0:09	1597	0:07
NOV	2065	0:07	2265	0:08
DEC	1757	0:05	1955	0:07
TOTAL	21657	0:07	24927	0:06

-----ALL TIMES ARE IN HOURS AND MINUTES-----

TABLE III-4-9

AVERAGE AIRBORNE DELAYS BY MONTH
 SUMMARY OF FLIGHTS ARRIVING AT JFK
 FROM 19 STUDY AIRPORTS

	-----1974-----		-----1975-----	
	FLIGHTS	AVG AIR DELAY	FLIGHTS	AVG AIR DELAY
JAN	821	0:09	1996	0:09
FEB	2111	0:09	2290	0:08
MAR	2067	0:07	2482	0:10
APR	1865	0:10	2163	0:08
MAY	1539	0:13	2509	0:12
JUN	1441	0:16	2141	0:17
JUL	1319	0:17	2099	0:19
AUG	2376	0:18	2677	0:15
SEP	2024	0:13	2013	0:13
OCT	1866	0:13	1725	0:11
NOV	1875	0:11	2050	0:17
DEC	1836	0:10	1702	0:16
TOTAL	21140	0:12	25847	0:13

-----ALL TIMES ARE IN HOURS AND MINUTES-----

TABLE III-4-10

AVERAGE AIRBORNE DELAYS BY MONTH
 SUMMARY OF FLIGHTS ARRIVING AT LAX
 FROM 19 STUDY AIRPORTS

	-----1974-----		-----1975-----	
	FLIGHTS	AVG AIR DELAY	FLIGHTS	AVG AIR DELAY
JAN	1044	0:24	4120	0:11
FEB	3847	0:12	4066	0:13
MAR	4028	0:15	4406	0:15
APR	3759	0:10	4139	0:16
MAY	2043	0:12	4500	0:06
JUN	1854	0:04	3928	0:06
JUL	1827	-0:01	3960	-0:01
AUG	5013	0:05	4982	0:03
SEP	4402	0:07	4236	0:05
OCT	4441	0:09	4052	0:07
NOV	3569	0:09	4229	0:08
DEC	3507	0:11	3574	0:08
TOTAL	39334	0:09	50192	0:08

-----ALL TIMES ARE IN HOURS AND MINUTES-----

TABLE III-4-11

AVERAGE AIRBORNE DELAYS BY MONTH
 SUMMARY OF FLIGHTS ARRIVING AT LGA
 FROM 19 STUDY AIRPORTS

	-----1974-----		-----1975-----	
	FLIGHTS	AVG AIR DELAY	FLIGHTS	AVG AIR DELAY
JAN	2926	0:07	4500	0:07
FEB	4353	0:07	4224	0:07
MAR	4720	0:06	4622	0:08
APR	4763	0:07	4533	0:06
MAY	4024	0:09	5053	0:09
JUN	3619	0:12	4554	0:10
JUL	3195	0:12	4400	0:10
AUG	5144	0:13	4946	0:09
SEP	4687	0:14	4667	0:08
OCT	4878	0:13	4707	0:07
NOV	4627	0:12	4944	0:15
DEC	4362	0:09	4305	0:13
TOTAL	51298	0:10	55455	0:09

----ALL TIMES ARE IN HOURS AND MINUTES----

TABLE III-4-12

AVERAGE AIRBORNE DELAYS BY MONTH
 SUMMARY OF FLIGHTS ARRIVING AT MIA
 FROM 19 STUDY AIRPORTS

	1974		1975	
	FLIGHTS	AVG AIR DELAY	FLIGHTS	AVG AIR DELAY
JAN	1503	0:06	2329	0:09
FEB	2287	0:06	2508	0:09
MAR	2585	0:06	2774	0:04
APR	2485	0:04	2518	0:02
MAY	2452	0:04	2527	0:04
JUN	2295	0:06	2461	0:04
JUL	2043	0:05	2503	0:05
AUG	2185	0:06	2511	0:05
SEP	1906	0:06	1705	0:07
OCT	1956	0:04	1586	0:06
NOV	1910	0:07	1947	0:07
DEC	1759	0:07	1755	0:09
TOTAL	25366	0:05	27124	0:06

----ALL TIMES ARE IN HOURS AND MINUTES----

TABLE III-4-13

AVERAGE AIRBORNE DELAYS BY MONTH

SUMMARY OF FLIGHTS ARRIVING AT MSP

FROM 19 STUDY AIRPORTS

	-----1974-----		-----1975-----	
	FLIGHTS	AVG AIR DELAY	FLIGHTS	AVG AIR DELAY
JAN	174	0:04	2137	0:06
FEB	1888	0:05	2189	0:04
MAR	2087	0:06	2402	0:04
APR	1970	0:04	2273	0:04
MAY	1549	0:05	2289	0:02
JUN	1207	0:02	2111	0:02
JUL	1224	0:01	2171	0:01
AUG	2462	0:01	2144	0:01
SEP	2264	0:02	2148	0:02
OCT	2350	0:03	1068	0:01
NOV	603	0:03	2131	0:03
DEC	617	0:05	2071	0:06
TOTAL	18595	0:03	25134	0:03

-----ALL TIMES ARE IN HOURS AND MINUTES-----

TABLE III-4-14

AVERAGE AIRBORNE DELAYS BY MONTH
 SUMMARY OF FLIGHTS ARRIVING AT MSY
 FROM 19 STUDY AIRPORTS

	-----1974-----		-----1975-----	
	FLIGHTS	AVG AIR DELAY	FLIGHTS	AVG AIR DELAY
JAN	667	0:09	1315	0:11
FEB	1236	0:07	1306	0:09
MAR	1229	0:06	1374	0:08
APR	1090	0:05	1301	0:07
MAY	1438	0:03	1482	0:05
JUN	1508	0:04	1349	0:03
JUL	1183	0:03	1257	0:03
AUG	1339	0:04	1456	0:03
SEP	1075	0:05	1131	0:04
OCT	1156	0:02	1113	0:05
NOV	1325	0:05	1325	0:07
DEC	1221	0:08	1136	0:07
TOTAL	14267	0:05	15545	0:06

-----ALL TIMES ARE IN HOURS AND MINUTES-----

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TRANSPORTATION SYSTEMS CENTER CAMBRIDGE MASS F/G 1/2
AIRLINE DELAY TRENDS, 1974-1975. A STUDY OF BLOCK TIME DELAYS, --ETC(U)
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TABLE III-4-15

AVERAGE AIRBORNE DELAYS BY MONTH
 SUMMARY OF FLIGHTS ARRIVING AT ORD
 FROM 19 STUDY AIRPORTS

	-----1974-----		-----1975-----	
	FLIGHTS	AVG AIR DELAY	FLIGHTS	AVG AIR DELAY
JAN	2341	0:16	8356	0:20
FEB	7339	0:17	8213	0:18
MAR	8079	0:17	8904	0:14
APR	7748	0:13	8029	0:16
MAY	4742	0:14	9040	0:11
JUN	3992	0:14	7343	0:12
JUL	3990	0:13	7352	0:09
AUG	9840	0:19	9431	0:10
SEP	8498	0:24	8017	0:12
OCT	8502	0:23	7012	0:17
NOV	7832	0:16	8530	0:18
DEC	7435	0:18	6946	0:16
TOTAL	80338	0:18	97172	0:14

-----ALL TIMES ARE IN HOURS AND MINUTES-----

TABLE III-4-16

AVERAGE AIRBORNE DELAYS BY MONTH

SUMMARY OF FLIGHTS ARRIVING AT PHL

FROM 19 STUDY AIRPORTS

	-----1974-----		-----1975-----	
	FLIGHTS	AVG AIR DELAY	FLIGHTS	AVG AIR DELAY
JAN	1207	0109	3045	0108
FEB	2798	0108	2986	0108
MAR	2673	0106	2771	0107
APR	2503	0107	2660	0106
MAY	2509	0111	3343	0109
JUN	2224	0110	2892	0110
JUL	2114	0111	2906	0110
AUG	3674	0111	3248	0110
SEP	3190	0110	2902	0109
OCT	3172	0110	2542	0108
NOV	3030	0109	3005	0108
DEC	2914	0109	2449	0108
TOTAL	32008	0109	34649	0109

----ALL TIMES ARE IN HOURS AND MINUTES----

TABLE III-4-17

AVERAGE AIRBORNE DELAYS BY MONTH
 SUMMARY OF FLIGHTS ARRIVING AT PIT
 FROM 19 STUDY AIRPORTS

	-----1974-----		-----1975-----	
	FLIGHTS	AVG AIR DELAY	FLIGHTS	AVG AIR DELAY
JAN	936	0105	3295	0106
FEB	2870	0104	3089	0108
MAR	2573	0103	2911	0105
APR	2406	0103	2703	0103
MAY	2005	0104	3424	0103
JUN	1901	0104	2945	0104
JUL	1947	0106	2848	0104
AUG	3970	0107	3433	0104
SEP	3560	0109	3187	0103
OCT	3660	0107	2979	0103
NOV	3307	0107	3295	0103
DEC	3240	0107	2899	0105
TOTAL	32375	0106	36908	0104

-----ALL TIMES ARE IN HOURS AND MINUTES-----

TABLE III-4-18

AVERAGE AIRBORNE DELAYS BY MONTH
 SUMMARY OF FLIGHTS ARRIVING AT SFA
 FROM 19 STUDY AIRPORTS

	-----1974-----		-----1975-----	
	FLIGHTS	AVG AIR DELAY	FLIGHTS	AVG AIR DELAY
JAN	69	0102	1374	0111
FEB	1176	0107	1296	0106
MAR	1311	0107	1419	0105
APR	1251	0103	1359	0100
MAY	457	0102	1515	0101
JUN	419	-0104	1447	0100
JUL	446	-0107	1450	-0105
AUG	1663	-0102	1630	0100
SEP	1503	-0100	1429	-0102
OCT	1488	-0101	1261	0104
NOV	924	0105	1412	0107
DEC	910	0108	1012	0109
TOTAL	11617	0102	16604	0103

-----ALL TIMES ARE IN HOURS AND MINUTES-----

TABLE III-4-19

AVERAGE AIRBORNE DELAYS BY MONTH
 SUMMARY OF FLIGHTS ARRIVING AT SFO
 FROM 19 STUDY AIRPORTS

	-----1974-----		-----1975-----	
	FLIGHTS	AVG AIR DELAY	FLIGHTS	AVG AIR DELAY
JAN	355	0:29	3175	0:11
FEB	3148	0:11	3114	0:12
MAR	3297	0:14	3317	0:13
APR	3111	0:09	3180	0:10
MAY	1075	0:08	3578	0:03
JUN	1014	0:03	3328	0:04
JUL	936	-0:01	3420	-0:00
AUG	4129	0:04	4067	0:03
SEP	3478	0:04	3385	0:03
OCT	3445	0:04	3276	0:07
NOV	2671	0:07	3486	0:08
DEC	2627	0:09	2735	0:08
TOTAL	29287	0:07	40060	0:07

-----ALL TIMES ARE IN HOURS AND MINUTES-----

TABLE III-4-20

AVERAGE AIRBORNE DELAYS BY MONTH
 SUMMARY OF FLIGHTS ARRIVING AT STL
 FROM 19 STUDY AIRPORTS

	-----1974-----		-----1975-----	
	FLIGHTS	AVG AIR DELAY	FLIGHTS	AVG AIR DELAY
JAN	895	0:07	2740	0:08
FEB	2006	0:06	2646	0:09
MAR	2169	0:05	2865	0:08
APR	2081	0:04	2644	0:07
MAY	1616	0:04	2985	0:05
JUN	1443	0:03	2680	0:04
JUL	1402	0:03	2660	0:04
AUG	3021	0:04	3131	0:04
SEP	2701	0:05	2737	0:05
OCT	2739	0:04	2738	0:04
NOV	2545	0:05	2880	0:07
DEC	2428	0:07	2895	0:09
TOTAL	25042	0:05	33601	0:06

----ALL TIMES ARE IN HOURS AND MINUTES----

TABLE III-5-1

HOURLY DISTRIBUTION OF AIRBORNE DELAYS FOR FLIGHTS
ARRIVING AT ATL FROM 19 STUDY AIRPORTS

LOCAL ARRIVAL HOUR	-----1974-----		-----1975-----	
	AVERAGE AIR DELAY*	NUMBER OF ARRIVALS	AVERAGE AIR DELAY*	NUMBER OF ARRIVALS
00	0111	245		
01				
02			0110	179
03	0112	127	0117	173
04	-0104	56	-0108	176
05	0104	2067	0105	2264
06			0113	12
07				
08	0104	443	0112	244
09	0117	3719	0116	4126
10	0111	3232	0116	3031
11	0115	3823	0117	4506
12	0112	1625	0113	2483
13	0112	2161	0113	2038
14	0111	2444	0109	2742
15	0114	4875	0113	4792
16	0106	1758	0106	2707
17	0112	3044	0111	3756
18	0111	1204	0111	1139
19	0116	6833	0113	7849
20	0107	1211	0107	760
21	0111	2861	0112	3301
22	0115	31		
23	0113	5222	0113	6405
TOTAL	0113	47261	0113	52679

---ALL TIMES ARE IN HOURS AND MINUTES---

* AVERAGE AIR DELAY IS A SUMMATION OF ALL AIRBORNE DELAYS FROM TAKEOFF TO TOUCHDOWN

TABLE III-5-2

HOURLY DISTRIBUTION OF AIRBORNE DELAYS FOR FLIGHTS
ARRIVING AT BOS FROM 19 STUDY AIRPORTS

-----1974-----			-----1975-----		
LOCAL ARRIVAL HOUR	AVERAGE AIR DELAY*	NUMBER OF ARRIVALS	AVERAGE AIR DELAY*	NUMBER OF ARRIVALS	
00	0104	ANA	0105	746	
01	0109	754	0109	564	
02	0115	161	0113	742	
03	0111	471	0107	103	
04			0109	58	
05	0106	160	0106	76	
06	0113	33			
07	0106	776	0108	708	
08	0106	1569	0109	1635	
09	0109	2568	0109	2932	
10	0108	2642	0108	3110	
11	0108	2065	0108	1763	
12	0107	2669	0108	2435	
13	0109	2569	0109	2844	
14	0108	2813	0108	2998	
15	0107	3005	0107	3186	
16	0106	2228	0107	2361	
17	0108	3607	0107	4300	
18	0110	2560	0108	2881	
19	0108	3848	0108	4399	
20	0109	3856	0109	3557	
21	0107	2682	0107	2595	
22	0106	1576	0106	1681	
23	0107	990	0106	1092	
TOTAL	0108	44490	0108	46766	

---ALL TIMES ARE IN HOURS AND MINUTES---

* AVERAGE AIR DELAY IS A SUMMATION OF ALL AIRBORNE DELAYS FROM TAKEOFF TO TOUCHDOWN

TABLE III-5-3

HOURLY DISTRIBUTION OF AIRBORNE DELAYS FOR FLIGHTS
ARRIVING AT CLF FROM 19 STUDY AIRPORTS

	-----1974-----		-----1975-----	
LOCAL ARRIVAL HOUR	AVERAGE AIR DELAY*	NUMBER OF ARRIVALS	AVERAGE AIR DELAY*	NUMBER OF ARRIVALS
00	0106	225	0105	254
01			-0102	37
02	-0103	219	-0101	276
03				
04			-0101	22
05				
06	-0103	354		
07			0101	11
08	0106	581	0108	1107
09	0106	1330	0105	2281
10	0106	1718	0106	2601
11	0103	1136	0102	851
12	0103	984	0102	1164
13	0105	1458	0104	2026
14	0107	1749	0105	1653
15	0104	1065	0106	1424
16	0104	2663	0105	2563
17	0104	1630	0104	2092
18	0105	2653	0104	3832
19	0103	1833	0104	2161
20	0106	2057	0106	2713
21	0105	1504	0106	1215
22	0107	676	0105	1106
23	0105	497	0104	640
TOTAL	0105	24334	0105	30029

---ALL TIMES ARE IN HOURS AND MINUTES---

* AVERAGE AIR DELAY IS A SUMMATION OF ALL AIRBORNE DELAYS FROM TAKEOFF TO TOUCHDOWN

TABLE III-S-4

HOURLY DISTRIBUTION OF AIRBORNE DELAYS FOR FLIGHTS
ARRIVING AT DCA FROM 19 STUDY AIRPORTS

	-----1974-----		-----1975-----	
LOCAL ARRIVAL HOUR	AVERAGE AIR DELAY*	NUMBER OF ARRIVALS	AVERAGE AIR DELAY*	NUMBER OF ARRIVALS
00				
01				
02				
03				
04				
05				
06				
07	0108	1179	0105	905
08	0111	1872	0110	2510
09	0111	3372	0109	3404
10	0109	2000	0110	2388
11	0105	2136	0106	2896
12	0110	1936	0108	2084
13	0104	3330	0105	3913
14	0106	3090	0106	2489
15	0108	3315	0107	3468
16	0109	2320	0108	2869
17	0108	3098	0107	2609
18	0108	2817	0107	3567
19	0107	3204	0106	3524
20	0107	3758	0107	4618
21	0106	3512	0104	3233
22	0105	1140	0105	1317
23	0109	6		
TOTAL	0108	42085	0107	45834

---ALL TIMES ARE IN HOURS AND MINUTES---

* AVERAGE AIR DELAY IS A SUMMATION OF ALL AIRBORNE DELAYS FROM TAKEOFF TO TOUCHDOWN

TABLE III-5-5

HOURLY DISTRIBUTION OF AIRBORNE DELAYS FOR FLIGHTS
ARRIVING AT DEN FROM 19 STUDY AIRPORTS

LOCAL ARRIVAL HOUR	-----1974-----		-----1975-----	
	AVERAGE ATR DELAY*	NUMBER OF ARRIVALS	AVERAGE AIR DELAY*	NUMBER OF ARRIVALS
00			0:04	184
01	0:04	358	0:04	432
02	0:02	179	0:02	265
03	0:02	569	0:02	604
04	0:02	246	0:03	204
05				
06	0:03	155	0:10	80
07	0:05	14	0:08	8
08	0:05	717	0:04	788
09	0:04	1400	0:04	1697
10	0:02	2049	0:01	2346
11	0:05	1670	0:06	2560
12	0:04	1238	0:05	1165
13	0:05	2765	0:05	3390
14	0:04	1527	0:05	1837
15	0:03	1632	0:03	2471
16	0:03	1169	0:04	1161
17	0:06	1774	0:06	2698
18	0:04	2057	0:03	2377
19	0:05	1948	0:06	2528
20	0:04	1399	0:04	1398
21	0:02	1114	0:03	1288
22	0:03	373	0:02	762
23	0:13	8		
TOTAL	0:04	24361	0:04	30243

---ALL TIMES ARE IN HOURS AND MINUTES---

* AVERAGE ATR DELAY IS A SUMMATION OF ALL AIRBORNE DELAYS FROM TAKEOFF TO TOUCHDOWN

TABLE III-5-6
HOURLY DISTRIBUTION OF AIRBORNE DELAYS FOR FLIGHTS
ARRIVING AT DFW FROM 19 STUDY AIRPORTS

LOCAL ARRIVAL HOUR	-----1974-----		-----1975-----	
	AVERAGE ATW DELAY*	NUMBER OF ARRIVALS	AVERAGE AIR DELAY*	NUMBER OF ARRIVALS
00	0:05	591	0:04	841
01	0:04	788	0:06	665
02	-0:01	771	0:00	901
03	0:02	1175	0:02	1080
04	0:12	451	0:08	716
05	0:01	1198	-0:01	2344
06	0:01	726	0:08	406
07	0:07	332	0:04	292
08	0:07	627	0:07	939
09	0:09	32	0:18	115
10	0:07	1118	0:04	1103
11	0:09	4241	0:09	5003
12	0:05	2374	0:07	1481
13	0:09	2642	0:09	2972
14	0:07	1645	0:07	2015
15	0:06	2818	0:06	2661
16	0:09	2680	0:09	2983
17	0:08	3432	0:09	4015
18	0:07	2318	0:07	2645
19	0:09	2328	0:11	2061
20	0:06	3728	0:08	4750
21	0:07	2046	0:07	2399
22	0:11	900	0:13	1414
23	0:09	1060	0:09	1009
TOTAL	0:07	40021	0:07	44811

---ALL TIMES ARE IN HOURS AND MINUTES---

* AVERAGE ATW DELAY IS A SUMMATION OF ALL AIRBORNE DELAYS FROM TAKEOFF TO TOUCHDOWN

TABLE III-5-7

HOURLY DISTRIBUTION OF AIRBORNE DELAYS FOR FLIGHTS
ARRIVING AT DTW FROM 19 STUDY AIRPORTS

LOCAL ARRIVAL HOUR	-----1974-----		-----1975-----	
	AVERAGE AIR DELAY*	NUMBER OF ARRIVALS	AVERAGE AIR DELAY*	NUMBER OF ARRIVALS
00	0:03	1203	0:02	1075
01	0:03	316	0:05	195
02	0:03	154	0:04	476
03	0:03	62	0:01	41
04	0:05	313	0:06	482
05				
06	0:01	617	0:00	428
07	0:05	475	0:05	654
08	0:07	746	0:06	1131
09	0:04	1899	0:04	2135
10	0:03	1279	0:04	1979
11	0:04	1321	0:04	1441
12	0:03	1294	0:03	1831
13	0:04	2214	0:04	2127
14	0:05	617	0:04	1162
15	0:03	1554	0:04	1489
16	0:05	3072	0:05	4187
17	0:05	2369	0:05	2235
18	0:04	1332	0:04	1187
19	0:03	3295	0:03	3598
20	0:03	2781	0:04	2835
21	0:04	925	0:05	1887
22	0:04	1142	0:03	1007
23	0:04	999	0:04	436
TOTAL	0:04	29979	0:04	34019

---ALL TIMES ARE IN HOURS AND MINUTES---

* AVERAGE AIR DELAY IS A SUMMATION OF ALL AIRBORNE DELAYS FROM TAKEOFF TO TOUCHDOWN

TABLE III-5-8

HOURLY DISTRIBUTION OF AIRBORNE DELAYS FOR FLIGHTS
ARRIVING AT FWR FROM 19 STUDY AIRPORTS

-----1974-----			-----1975-----		
LOCAL ARRIVAL HOUR	AVERAGE AIR DELAY*	NUMBER OF ARRIVALS	AVERAGE AIR DELAY*	NUMBER OF ARRIVALS	
00	0:01	670	0:03	737	
01	0:05	229	0:06	125	
02	0:08	329	0:03	124	
03	0:07	2	0:04	241	
04	0:03	223	0:02	249	
05					
06	0:04	328	0:05	195	
07	0:06	155	0:06	166	
08	0:07	1048	0:07	1084	
09	0:05	1447	0:05	1923	
10	0:07	596	0:06	669	
11	0:06	1910	0:05	2059	
12	0:06	525	0:05	745	
13	0:05	666	0:04	667	
14	0:07	1318	0:07	1472	
15	0:06	1285	0:05	1431	
16	0:05	970	0:05	1592	
17	0:08	2616	0:10	3038	
18	0:15	1088	0:10	1256	
19	0:06	1853	0:05	2374	
20	0:09	1972	0:07	2237	
21	0:08	1811	0:07	2174	
22	0:05	1715	0:04	1635	
23	0:02	208	0:04	301	
TOTAL	0:07	22964	0:06	26498	

---ALL TIMES ARE IN HOURS AND MINUTES---

* AVERAGE AIR DELAY IS A SUMMATION OF ALL AIRBORNE DELAYS FROM TAKEOFF TO TOUCHDOWN

TABLE III-5-9
HOURLY DISTRIBUTION OF AIRBORNE DELAYS FOR FLIGHTS
ARRIVING AT JFK FROM 19 STUDY AIRPORTS

	-----1974-----		-----1975-----	
LOCAL ARRIVAL HOUR	AVERAGE AIR DELAY*	NUMBER OF ARRIVALS	AVERAGE AIR DELAY*	NUMBER OF ARRIVALS
00	0110	2110	0110	1984
01	0107	794	0106	676
02	0108	1066	0106	1277
03	0106	514	0103	321
04	0104	257	0107	158
05	0114	63		
06	0107	1464	0111	1904
07	0108	617	0107	1055
08	0109	316	0109	612
09	0109	575	0109	772
10	0109	560	0114	130
11	0109	345	0105	258
12	0109	1148	0106	890
13	0108	876	0109	872
14	0107	1186	0108	1931
15	0113	2281	0111	1654
16	0114	2626	0116	3442
17	0116	2702	0119	4493
18	0119	1099	0117	2086
19	0114	2180	0114	2732
20	0115	1817	0117	1658
21	0112	830	0111	889
22	0109	355	0109	645
23	0107	607	0108	587
TOTAL	0112	26388	0112	31027

---ALL TIMES ARE IN HOURS AND MINUTES---

* AVERAGE AIR DELAY IS A SUMMATION OF ALL AIRBORNE DELAYS FROM TAKEOFF TO TOUCHDOWN

TABLE III-5-10

HOURLY DISTRIBUTION OF AIRBORNE DELAYS FOR FLIGHTS

ARRIVING AT LAX FROM 19 STUDY AIRPORTS

LOCAL ARRIVAL HOUR	-----1974-----		-----1975-----	
	AVERAGE AIR DELAY*	NUMBER OF ARRIVALS	AVERAGE AIR DELAY*	NUMBER OF ARRIVALS
00	0:13	1164	0:08	1369
01	0:19	1334	0:18	1687
02	0:21	1155	0:21	953
03	0:11	433	0:12	599
04	0:13	906	0:10	1510
05	0:08	672	0:14	730
06	0:15	812	0:13	615
07	0:10	182	0:12	62
08	0:07	880	0:07	1747
09	0:08	1849	0:05	1904
10	0:08	2139	0:06	3442
11	0:09	3943	0:08	3744
12	0:08	2429	0:07	3607
13	0:06	1657	0:06	1874
14	0:06	3229	0:06	4207
15	0:11	1940	0:10	2882
16	0:07	1352	0:05	2307
17	0:13	1260	0:14	1413
18	0:09	3035	0:08	4323
19	0:06	3165	0:05	3590
20	0:06	2935	0:07	4493
21	0:11	2839	0:09	2485
22	0:11	476	0:09	1522
23	0:03	1209	0:02	1956
TOTAL	0:09	40995	0:08	53023

---ALL TIMES ARE IN HOURS AND MINUTES---

* AVERAGE AIR DELAY IS A SUMMATION OF ALL AIRBORNE DELAYS FROM TAKEOFF TO TOUCHDOWN

TABLE III-5-11

HOURLY DISTRIBUTION OF AIRBORNE DELAYS FOR FLIGHTS
ARRIVING AT LGA FROM 19 STUDY AIRPORTS

LOCAL ARRIVAL HOUR	-----1974-----		-----1975-----	
	AVERAGE AIR DELAY*	NUMBER OF ARRIVALS	AVERAGE AIR DELAY*	NUMBER OF ARRIVALS
00	0102	525	0103	593
01			0103	9
02				
03				
04				
05				
06				
07	0108	1073	0106	1052
08	0107	1715	0108	1803
09	0113	3463	0111	3683
10	0110	3608	0108	3303
11	0108	3364	0109	3970
12	0108	2910	0107	3409
13	0108	3750	0107	2995
14	0107	4320	0106	4914
15	0109	3494	0108	4447
16	0110	3597	0109	3180
17	0112	3366	0111	4709
18	0114	3233	0112	3594
19	0114	3976	0112	4406
20	0113	4075	0109	4876
21	0110	3914	0107	4415
22	0106	2403	0105	1824
23	0104	426	0105	400
TOTAL	0110	53212	0109	57582

---ALL TIMES ARE IN HOURS AND MINUTES---

* AVERAGE AIR DELAY IS A SUMMATION OF ALL AIRBORNE DELAYS FROM TAKEOFF TO TOUCHDOWN

TABLE III-5-12

HOURLY DISTRIBUTION OF AIRBORNE DELAYS FOR FLIGHTS
ARRIVING AT MIA FROM 19 STUDY AIRPORTS

LOCAL ARRIVAL HOUR	-----1974-----		-----1975-----	
	AVERAGE AIR DELAY*	NUMBER OF ARRIVALS	AVERAGE AIR DELAY*	NUMBER OF ARRIVALS
00	0102	2268	0104	2468
01	0104	335	0107	642
02	0103	354	0101	541
03	0105	197	0103	241
04			0113	25
05			0101	20
06	-0123	13	-0130	12
07	0103	319	0101	321
08	0111	39	0107	65
09				
10	0100	89	0101	144
11	0106	3422	0107	3506
12	0107	5374	0106	6543
13	0107	1675	0106	1711
14	0106	1653	0106	1735
15	0106	2737	0106	2638
16	0103	1486	0103	1158
17	0104	1644	0106	1728
18	0109	249	0105	652
19	0107	1211	0106	1221
20	0104	3296	0105	3537
21	0106	1161	0108	430
22	0105	658	0104	1176
23	0105	2089	0105	2333
TOTAL	0105	30269	0105	32848

---ALL TIMES ARE IN HOURS AND MINUTES---

* AVERAGE AIR DELAY IS A SUMMATION OF ALL AIRBORNE DELAYS FROM TAKEOFF TO TOUCHDOWN

TABLE III-5-13
HOURLY DISTRIBUTION OF AIRBORNE DELAYS FOR FLIGHTS
ARRIVING AT MSP FROM 19 STUDY AIRPORTS

	-----1974-----		-----1975-----	
LOCAL ARRIVAL HOUR	AVERAGE ATR DELAY*	NUMBER OF ARRIVALS	AVERAGE ATR DELAY*	NUMBER OF ARRIVALS
00	0102	71	0103	90
01	0103	169	0103	262
02	0104	27		
03				
04	0103	177		
05	0104	92	0104	305
06	0101	696	-0101	1232
07				
08	0104	354	0104	414
09	0106	765	0105	1246
10	0102	1519	0102	1665
11	0104	1403	0103	1831
12	0105	297	0105	588
13	0102	1223	0103	1449
14	0103	1791	0103	2244
15	0102	541	0100	1070
16	0105	1958	0106	2155
17	0103	1235	0103	2284
18	0102	1848	0103	2643
19	0104	2084	0105	2267
20	0106	535	0104	813
21	0102	1090	0101	1761
22	0103	516	0103	905
23	-0105	270	-0105	209
TOTAL	0103	18665	0103	25433

---ALL TIMES ARE IN HOURS AND MINUTES---

* AVERAGE ATR DELAY IS A SUMMATION OF ALL AIRBORNE DELAYS FROM TAKEOFF TO TOUCHDOWN

TABLE III-5-14

HOURLY DISTRIBUTION OF AIRBORNE DELAYS FOR FLIGHTS
ARRIVING AT MSY FROM 19 STUDY AIRPORTS

LOCAL ARRIVAL HOURS	-----1974-----		-----1975-----	
	AVERAGE AIR DELAY*	NUMBER OF ARRIVALS	AVERAGE AIR DELAY*	NUMBER OF ARRIVALS
00	0108	347	0104	360
01	0103	75	0109	28
02				
03	0105	313	0105	188
04	0111	89	0112	197
05				
06	0109	261	0107	240
07				
08	0106	464	0107	664
09	0107	223	0108	268
10	0108	1037	0108	1233
11	0105	1357	0107	1177
12	0106	895	0106	1635
13	0100	854	0100	750
14	0110	1337	0109	1348
15	0100	1511	0103	1458
16	0105	1047	0105	1178
17	0107	596	0109	864
18	0101	1065	0103	736
19	0103	583	0103	901
20	0107	1909	0107	1803
21	0113	81		
22	0102	197	0106	517
23	0103	584	0106	620
TOTAL	0105	14825	0106	16165

---ALL TIMES ARE IN HOURS AND MINUTES---

* AVERAGE AIR DELAY IS A SUMMATION OF ALL AIRBORNE DELAYS FROM TAKEOFF TO TOUCHDOWN

TABLE III-5-15

HOURLY DISTRIBUTION OF AIRBORNE DELAYS FOR FLIGHTS

ARRIVING AT ORD FROM 19 STUDY AIRPORTS

LOCAL ARRIVAL HOUR	-----1974-----		-----1975-----	
	AVERAGE AIR DELAY*	NUMBER OF ARRIVALS	AVERAGE AIR DELAY*	NUMBER OF ARRIVALS
00	0107	1180	0107	771
01	0109	1367	0107	1762
02	0109	839	0109	735
03	0109	1190	0109	1404
04	0103	446	0103	708
05	0103	1786	0104	2857
06	0103	1249	0103	934
07	0108	1375	0106	1926
08	0113	3320	0112	3851
09	0119	5492	0118	7070
10	0112	3752	0110	4960
11	0113	6249	0111	4794
12	0116	5188	0115	5684
13	0115	5536	0112	6850
14	0112	4704	0111	5589
15	0115	5470	0115	6715
16	0122	6204	0117	7576
17	0127	6385	0122	6928
18	0127	4985	0118	5767
19	0128	4950	0118	8979
20	0124	5862	0115	7021
21	0114	3501	0111	3997
22	0108	1337	0107	1484
23	0107	2329	0106	2728
TOTAL	0117	85704	0114	103090

---ALL TIMES ARE IN HOURS AND MINUTES---

* AVERAGE AIR DELAY IS A SUMMATION OF ALL AIRBORNE DELAYS FROM TAKEOFF TO TOUCHDOWN

TABLE III-5-16

HOURLY DISTRIBUTION OF AIRBORNE DELAYS FOR FLIGHTS
ARRIVING AT PHL FROM 19 STUDY AIRPORTS

LOCAL ARRIVAL HOUR	-----1974-----		-----1975-----	
	AVERAGE AIR DELAYS	NUMBER OF ARRIVALS	AVERAGE AIR DELAYS	NUMBER OF ARRIVALS
00	0:05	656	0:07	893
01	0:03	204	0:05	269
02	0:07	652	0:06	628
03	0:05	119		
04	0:03	93	0:03	166
05	0:06	64		
06	0:12	94	0:10	136
07	0:08	1227	0:07	809
08	0:11	1411	0:10	1850
09	0:12	3020	0:11	2879
10	0:13	734	0:09	1523
11	0:10	2354	0:10	2300
12	0:10	1599	0:09	1981
13	0:10	1672	0:08	1630
14	0:09	2291	0:08	2023
15	0:08	2171	0:08	2600
16	0:08	2398	0:07	2883
17	0:10	2430	0:11	2121
18	0:10	1942	0:11	2016
19	0:08	2719	0:07	3083
20	0:07	2026	0:07	2526
21	0:08	2282	0:08	2931
22	0:07	1422	0:07	1362
23	0:08	821	0:07	789
TOTAL	0:09	34405	0:08	37398

---ALL TIMES ARE IN HOURS AND MINUTES---

* AVERAGE AIR DELAY IS A SUMMATION OF ALL AIRBORNE DELAYS FROM TAKEOFF TO TOUCHDOWN

TABLE III-5-17

HOURLY DISTRIBUTION OF AIRBORNE DELAYS FOR FLIGHTS
ARRIVING AT PIT FROM 19 STUDY AIRPORTS

LOCAL ARRIVAL HOUR	-----1974-----		-----1975-----	
	AVERAGE ATR DELAY*	NUMBER OF ARRIVALS	AVERAGE AIR DELAY*	NUMBER OF ARRIVALS
00	0102	176	0101	139
01	0108	33	-0101	128
02				
03				
04				
05				
06				
07	0105	530	0105	645
08	0107	2764	0106	2730
09	0108	2160	0106	2708
10	0108	1390	0106	1731
11	0106	1772	0104	1843
12	0106	1697	0103	2072
13	0104	2285	0102	2184
14	0105	2460	0104	2091
15	0105	1216	0106	1282
16	0106	3286	0104	4724
17	0107	2059	0106	2268
18	0107	2667	0105	1804
19	0105	1930	0104	3175
20	0105	2671	0104	2747
21	0106	1798	0103	2934
22	0105	1987	0103	2333
23	0104	629	0106	538
TOTAL	0106	33510	0104	38076

---ALL TIMES ARE IN HOURS AND MINUTES---

* AVERAGE ATR DELAY IS A SUMMATION OF ALL AIRBORNE DELAYS FROM TAKEOFF TO TOUCHDOWN

TABLE III-5-18

HOURLY DISTRIBUTION OF AIRBORNE DELAYS FOR FLIGHTS
ARRIVING AT SEA FROM 19 STUDY AIRPORTS

LOCAL ARRIVAL HOUR	-----1974-----		-----1975-----	
	AVERAGE AIR DELAY*	NUMBER OF ARRIVALS	AVERAGE AIR DELAY*	NUMBER OF ARRIVALS
00				
01			0105	265
02				
03	0103	191	0105	409
04	0103	272	0102	388
05	0106	228	0107	163
06				
07				
08				
09	0107	314	0106	773
10	0104	956	0106	1038
11	-0101	878	0102	984
12	-0102	1647	-0100	2781
13	-0102	732	-0101	1123
14	0105	209	0102	544
15	0102	957	0102	1018
16	0101	488	0105	1057
17	0105	457	0106	491
18	0106	751	0108	759
19	0103	808	0103	1199
20	0102	1326	0105	1778
21	0102	765	-0100	1170
22	0104	639	0106	664
23	0105	38	0106	92
TOTAL	0102	11655	0103	16696

---ALL TIMES ARE IN HOURS AND MINUTES---

* AVERAGE AIR DELAY IS A SUMMATION OF ALL AIRBORNE DELAYS FROM TAKEOFF TO TOUCHDOWN

TABLE III-5-19
HOURLY DISTRIBUTION OF AIRBORNE DELAYS FOR FLIGHTS
ARRIVING AT SFO FROM 19 STUDY AIRPORTS

	-----1974-----		-----1975-----	
LOCAL ARRIVAL HOUR	AVERAGE AIR DELAY*	NUMBER OF ARRIVALS	AVERAGE AIR DELAY*	NUMBER OF ARRIVALS
00	0101	575	0101	799
01	0102	156	0101	631
02	-0101	460	-0102	651
03	-0100	953	-0100	761
04	0104	140	0106	24
05	0107	174	0105	421
06	0117	492	0121	630
07	0105	458	0105	520
08	0106	890	0106	1215
09	0109	898	0108	1880
10	0100	1824	-0101	1797
11	0105	2260	0105	2887
12	0109	2847	0105	4242
13	0104	1423	0106	1730
14	0116	1799	0115	2403
15	0107	2158	0105	2622
16	0107	1072	0107	2228
17	0105	1235	0107	1105
18	0106	2364	0105	3774
19	0112	3340	0109	3743
20	0108	1446	0109	3273
21	0107	1676	0109	1731
22	0109	1244	0107	1717
23	0104	64	0111	1085
TOTAL	0107	29948	0107	41869

---ALL TIMES ARE IN HOURS AND MINUTES---

* AVERAGE AIR DELAY IS A SUMMATION OF ALL AIRBORNE DELAYS FROM TAKEOFF TO TOUCHDOWN

TABLE III-5-20

HOURLY DISTRIBUTION OF AIRBORNE DELAYS FOR FLIGHTS
ARRIVING AT STL FROM 19 STUDY AIRPORTS

LOCAL ARRIVAL HOUR	-----1974-----		-----1975-----	
	AVERAGE AIR DELAY*	NUMBER OF ARRIVALS	AVERAGE AIR DELAY*	NUMBER OF ARRIVALS
00	0101	330	0102	320
01	0101	357	0103	120
02				
03				
04				
05	0103	226	0104	732
06	0102	385	0102	689
07	0105	358	0106	313
08	0106	1340	0106	1941
09	0104	2187	0107	3175
10	0107	1536	0109	1522
11	0106	715	0106	1296
12	0106	1634	0108	2010
13	0104	2058	0105	3173
14	0103	1424	0104	1373
15	0105	2024	0107	2695
16	0104	1940	0107	2545
17	0104	1795	0105	2835
18	0106	1427	0107	1288
19	0106	2538	0107	2442
20	0103	1247	0107	2420
21	0104	1122	0105	1448
22	0104	839	0103	1542
23	0101	323	0103	583
TOTAL	0105	25805	0106	34462

---ALL TIMES ARE IN HOURS AND MINUTES---

* AVERAGE AIR DELAY IS A SUMMATION OF ALL AIRBORNE DELAYS FROM TAKEOFF TO TOUCHDOWN